

## Mouse anti-Human CD32A Monoclonal Antibody | anti-CD32A antibody

Mouse Monoclonal [clone 13D7] (IgG2b) to Human CD32A

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                |
|-----------|-------|------------|-----------------------------------------------------------------------------|
| AAA52549  | Mouse | Human      | Immunoprecipitation, Western Blot, Immunofluorescence, Immunohistochemistry |

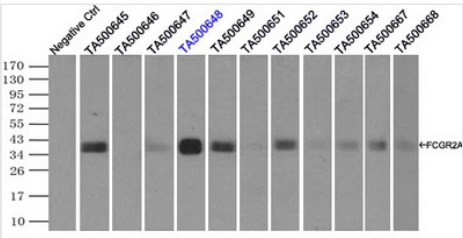
### PRODUCT SYNONYMS

CD32A; Monoclonal Antibody; Mouse Monoclonal [clone 13D7] (IgG2b) to Human CD32A; Anti-CD32A Antibody (clone 13D7) IHC-plus; FCGR2A; CD32; CD32 antigen; CDw32; FCG2; FcGR; FCGR2A1; FcRII-a; Fc-gamma RII-a; Fc-gamma-RIIa; FcRII-c; IgG Fc receptor II-a; Igg fc receptor ii-c; Fc-gamma rii-c; FCGR2; Igg fc receptors ii-c; IGFR2; Human CD32A; anti-CD32A antibody

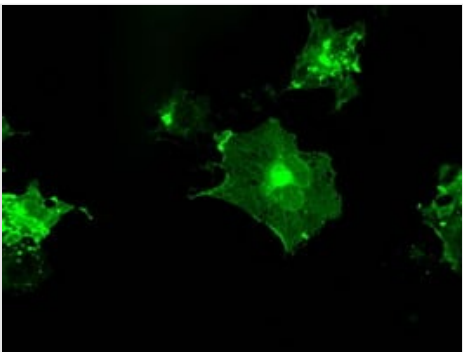
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                 |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                                            |
| Isotype                                         | IgG2b                                                                                                                                                                                                                                                                                                                 |
| Clone Number                                    | 13D7                                                                                                                                                                                                                                                                                                                  |
| Specificity                                     | Human CD32A / CD32                                                                                                                                                                                                                                                                                                    |
| Purity/Purification                             | Protein A/G Purified                                                                                                                                                                                                                                                                                                  |
| Form/Format                                     | PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide                                                                                                                                                                                                                                                                 |
| Concentration                                   | 1.09 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                            |
| Sequence Length                                 | 316                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-CD32A antibody | IP (Immunoprecipitation), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)                                                                                                                                                                                                                      |
| Target                                          | CD32A                                                                                                                                                                                                                                                                                                                 |
| Immunogen Type                                  | Recombinant protein                                                                                                                                                                                                                                                                                                   |
| Immunogen                                       | CD32A antibody was raised against full length human recombinant protein of human FCGR2A (NP_067674) produced in HEK293T cell.                                                                                                                                                                                         |
| Disclaimer                                      | Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application. |

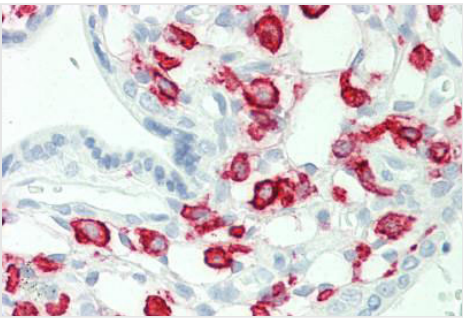
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|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended Immunohistochemistry Protocol</b> | <p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p><b>Tissue Preparation:</b><br/>Formalin fixation and embedding in paraffin wax.</p> <p><b>Tissue Sectioning:</b><br/>Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.</p> <p><b>Deparaffinization:</b><br/>Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p><b>Rehydration:</b><br/>Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT<br/>Wash slides in 1 change of 80% alcohol - 3 minutes @ RT<br/>Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p><b>Antigen retrieval:</b><br/>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes<br/>Remove from heat and let stand at room temperature in buffer - 20 minutes<br/>Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p><b>Immunostaining:</b><br/>(Do not allow tissues to dry at any time during the staining procedure)<br/>Apply a universal protein block - 20 minutes @ RT<br/>Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT<br/>Rinse slides in 1 X TBST - 1 minute @ RT<br/>Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase streptavidin - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT<br/>Wash slides in distilled water - 1 minute @ RT</p> <p><b>Dehydrate:</b><br/>(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)<br/>Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of xylene - 1 minute each @ RT<br/>Apply coverslip</p> |
| <b>Preparation and Storage</b>                   | <p>Store at -20°C. Avoid freeze/thaw cycles.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |



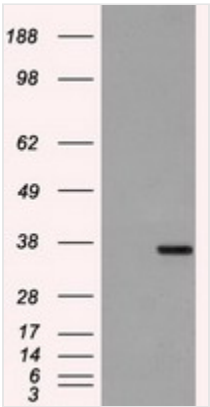
**IP (Immunoprecipitation)**  
Immunoprecipitation(IP) of FCGR2A by using monoclonal anti-FCGR2A antibodies (Negative control: IP without adding anti-FCGR2A antibody.). For each experiment, 500ul of DDK tagged FCGR2A overexpression lysates (at 1:5 dilution with HEK293T lysate), 2 ug of anti-FCGR2A antibody and 20ul (0.1 mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



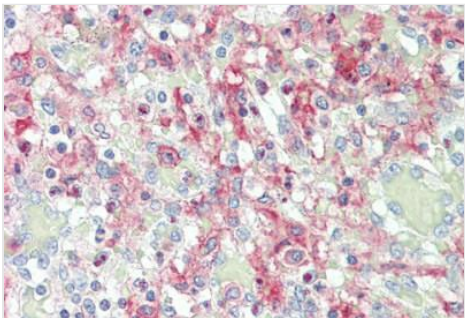
**IF (Immunofluorescence)**  
Anti-FCGR2A mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FCGR2A.



**IHC (Immunohistochemistry)**  
Anti-CD32A antibody IHC staining of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.



**WB (Western Blot)**  
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FCGR2A (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FCGR2A.



**IHC (Immunohistochemistry)**  
Anti-CD32A antibody IHC staining of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

NCBI AND UNIPROT INFORMATION

|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| NCBI GI #                 | 50511936                                                            |
| NCBI GeneID               | 2212                                                                |
| NCBI Accession #          | NP_067674.2                                                         |
| NCBI GenBank Nucleotide # | NM_021642.3                                                         |
| UniProt Accession #       | P12318; Q8WUN1; Q8WW64                                              |
| NCBI Official Full Name   | low affinity immunoglobulin gamma Fc region receptor II-a isoform 2 |

|                                  |                                                                                                                                                          |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Synonym Full Names | Fc fragment of IgG, low affinity IIa, receptor (CD32)                                                                                                    |
| NCBI Official Symbol             | FCGR2A                                                                                                                                                   |
| NCBI Official Synonym Symbols    | CD32; FCG2; FcGR; CD32A; CDw32; FCGR2; IGFR2; FCGR2A1                                                                                                    |
| NCBI Protein Information         | low affinity immunoglobulin gamma Fc region receptor II-a; fcRII-a; fc-gamma-RIIa; fc-gamma RII-a; igG Fc receptor II-a; Immunoglobulin G Fc receptor II |
| UniProt Protein Name             | Low affinity immunoglobulin gamma Fc region receptor II-a                                                                                                |
| UniProt Gene Name                | <b>FCGR2A</b>                                                                                                                                            |
| UniProt Synonym Gene Names       | CD32; FCG2; FCGR2A1; IGFR2; IgG Fc receptor II-a; Fc-gamma-RIIa; FcRII-a                                                                                 |
| UniProt Entry Name               | FCG2A_HUMAN                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd32a-antibody-clone-13d7-immunoprecipitation-western-blot-immunofluorescence-immunohistochemistry-elisa/52549>