

# Mouse anti-Human, Rat Complement Component 5a (C5a) Monoclonal Antibody | anti-C5a antibody

Monoclonal Antibody to Complement Component 5a (C5a)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                 |
|-----------|-------|------------|------------------------------------------------------------------------------|
| AAA146494 | Mouse | Human, Rat | Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot |

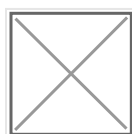
## PRODUCT SYNONYMS

Complement Component 5a (C5a); Monoclonal Antibody; Monoclonal Antibody to Complement Component 5a (C5a); anti-C5a antibody

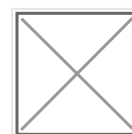
## PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity                                    | Human, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                                       | IgG2a Kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clone Number                                  | D2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity                                   | The antibody is a mouse monoclonal antibody raised against C5a. It has been selected for its ability to recognize C5a in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                           | Protein A + Protein G affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format                                   | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration                                 | 1mg/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-C5a antibody | IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen                                     | Recombinant Complement Component 5a (C5a) (Thr678~Arg751)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cross Reactivity                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Buffer Formulation                            | PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Label                                         | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Conjugated Antibody                           | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage                       | Store at 4 degree C for frequent use. Stored at -20 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.<br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

## IMAGES



IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Human Pancreatic cancer Tissue



IHC (Immunohistochemistry)  
DAB staining on IHC-P; Samples: Human Pancreatic cancer Tissue

**WB (Western Blot)**

Western Blot: Sample: Recombinant C5a, Human.

**WB (Western Blot)**

Western Blot: Sample: Human Serum; Primary Ab: 3ug/ml Mouse Anti-Human C5a Antibody  
Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

**NCBI AND UNIPROT INFORMATION**

|                                  |                              |
|----------------------------------|------------------------------|
| NCBI GI #                        | 953514538                    |
| NCBI GeneID                      | 727                          |
| NCBI Accession #                 | NP_001304092.1               |
| NCBI GenBank Nucleotide #        | NM_001317163.1               |
| UniProt Accession #              | P01031; Q14CJ0; Q27I61       |
| Molecular Weight                 | 188,305 Da                   |
| NCBI Official Full Name          | complement C5 isoform 2      |
| NCBI Official Synonym Full Names | complement C5                |
| NCBI Official Symbol             | C5                           |
| NCBI Official Synonym Symbols    | C5D; C5a; C5b; ECLZB; CPAMD4 |
| NCBI Protein Information         | complement C5                |
| UniProt Protein Name             | Complement C5                |
| UniProt Gene Name                | C5                           |
| UniProt Synonym Gene Names       | CPAMD4                       |

**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/complement-component-5a-c5a-antibody-clone-d2-immunoprecipitation-immunocytochemistry-immunohistochemistry-western-blot-elisa/146494>