

## Rabbit anti-Human LY75 Polyclonal Antibody | anti-LY75 antibody

LY75 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA284510 | Rabbit | Human      | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

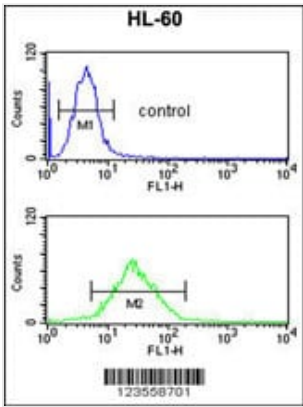
### PRODUCT SYNONYMS

LY75; Polyclonal Antibody; LY75 Antibody (Center); Lymphocyte antigen 75; Ly-75; C-type lectin domain family 13 member B; DEC-205; gp200-MR6; CD205; CLEC13B; anti-LY75 antibody

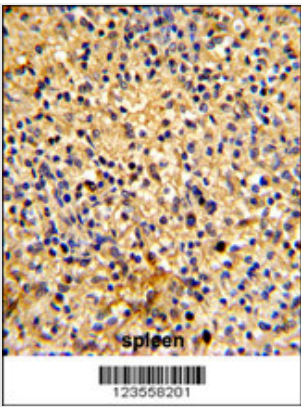
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This LY75 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 646-675 amino acids from the Central region of human LY75.            |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 646-675                                                                                                                                                                      |
| Sequence Length                                | 232                                                                                                                                                                          |
| Applicable Applications for anti-LY75 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                              |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

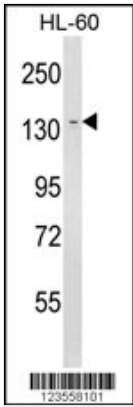
IMAGES



**FCM/FACS (Flow Cytometry)**  
LY75 Antibody (Center) flow cytometric analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human spleen tissue reacted with LY75 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of LY75 Antibody (Center) in HL-60 cell line lysates (35ug/lane). LY75 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LY75 antibody | LY75 acts as an endocytic receptor to direct captured antigens from the extracellular space to a specialized antigen-processing compartment. It causes reduced proliferation of B-lymphocytes. |
| Product Categories/Family for anti-LY75 antibody   | Immunology                                                                                                                                                                                     |
| References                                         | Kato,M., et.al., Immunogenetics 47 (6), 442-450 (1998)<br>McKay,P.F., et.al., Eur. J. Immunol. 28 (12), 4071-4083 (1998)                                                                       |

NCBI AND UNIPROT INFORMATION

|                           |                                                |
|---------------------------|------------------------------------------------|
| NCBI GI #                 | 311771583                                      |
| NCBI GeneID               | 100526664                                      |
| NCBI Accession #          | NP_001185688.1; NP_001185689.1; NP_002340.2    |
| NCBI GenBank Nucleotide # | NM_001198759.1                                 |
| UniProt Accession #       | O60449; O75913; Q53R46; Q53TF5; Q7Z575; Q7Z577 |
| Molecular Weight          | 198311                                         |

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI Official Full Name          | LY75-CD302 fusion protein isoform 1 |
| NCBI Official Synonym Full Names | LY75-CD302 readthrough              |
| NCBI Official Symbol             | LY75-CD302                          |
| NCBI Protein Information         | LY75-CD302 fusion protein           |
| UniProt Protein Name             | Lymphocyte antigen 75               |
| UniProt Gene Name                | <b>LY75</b>                         |
| UniProt Synonym Gene Names       | CD205; CLEC13B; Ly-75               |
| UniProt Entry Name               | LY75_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/polyclonal/ly75-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284510>