

## Mouse anti-Rat, Human CD235a Monoclonal Antibody | anti-CD235a antibody

Anti-Hu CD235a PE

|                               |                      |                                 |                                                         |
|-------------------------------|----------------------|---------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA128642</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Rat, Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|---------------------------------|---------------------------------------------------------|

### PRODUCT SYNONYMS

CD235a; Monoclonal Antibody; Anti-Hu CD235a PE; glycophorin A (MNS blood group); Glycophorin A; GYPa; GPA; PAS-2; Sialoglycoprotein alpha; MN sialoglycoprotein; GPSAT; GPERik; MSN blood group; anti-CD235a antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                                                                                                                                                                                                                                                                                                            |
| Reactivity                                       | Rat, Human                                                                                                                                                                                                                                                                                                                                                       |
| Clonality                                        | Monoclonal                                                                                                                                                                                                                                                                                                                                                       |
| Isotype                                          | IgG1                                                                                                                                                                                                                                                                                                                                                             |
| Clone Number                                     | JC159                                                                                                                                                                                                                                                                                                                                                            |
| Specificity                                      | The mouse monoclonal antibody JC159 recognizes an epitope between amino acids 27 and 40 of the extracellular portion of CD235a (glycophorin A), a sialoglycoprotein expressed on early erythroblasts, late erythroblasts, erythroblasts, mature erythrocytes and the cells of erythroid cell lines K562 and HEL. The antibody does not react with glycophorin B. |
| Purity/Purification                              | The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.                                                                                                                                                                                                              |
| Form/Format                                      | Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide                                                                                                                                                                                                                                                                               |
| Sequence Length                                  | 150                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-CD235a antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                                        | Membrane preparation from splenic hairy cell leukemia                                                                                                                                                                                                                                                                                                            |
| Conjugation                                      | PE                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                          | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                                                                                                                                                                                             |

### ADDITIONAL INFORMATION

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| Related Product Information for anti-CD235a antibody | CD235a (Glycophorin A, GPA) is a transmembrane sialoglycoprotein expressed on erythrocytes and their precursors. Similarly to glycophorin B (GPB), these molecules provide the cells with a large mucin-like surface, which minimalizes aggregation between erythrocytes in the circulation. GPA is the carrier of blood group M and N specificities, while GPB accounts for S, s and U specificities. CD235a is a receptor of Hsa, an Streptococcus adhesin. |
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### NCBI AND UNIPROT INFORMATION

|                     |           |
|---------------------|-----------|
| NCBI GI #           | 259016238 |
| NCBI GeneID         | 2993      |
| UniProt Accession # | P02724    |

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI Official Full Name          | Glycophorin-A                                                          |
| NCBI Official Synonym Full Names | glycophorin A (MNS blood group)                                        |
| NCBI Official Symbol             | GYPA                                                                   |
| NCBI Official Synonym Symbols    | MN; GPA; MNS; GPSAT; PAS-2; CD235a; GPErik; HGpMiV; HGpMiXI; HGpSta(C) |
| NCBI Protein Information         | glycophorin-A                                                          |
| UniProt Protein Name             | Glycophorin-A                                                          |
| UniProt Gene Name                | <b>GYPA</b>                                                            |
| UniProt Synonym Gene Names       | GPA                                                                    |

**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/cd235a-antibody-clone-jc159-flow-cytometry-elisa/128642>