

## Rabbit anti-Human Glycophorin A/CD235a Antibody | anti-GYPA antibody

Glycophorin A/CD235a (Erythrocyte Marker)

|                               |                       |                            |                                             |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA215005</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------|

### PRODUCT SYNONYMS

Glycophorin A/CD235a; Glycophorin A/CD235a (Erythrocyte Marker); Blood group--MN locus; GPA; GPErik; GpMIIII; GPSAT; GYPA; MN sialoglycoprotein; MNS; PAS2; Sialoglycoprotein alpha; anti-GYPA antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype                                        | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clone Number                                   | GYPA/3219R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity                                    | Recognizes a sialoglycoprotein of 39kDa, identified as glycophorin A (GPA). It is present on red blood cells (RBC) and erythroid precursor cells. It has been shown that glycophorin acts as the receptor for Sandei virus and parvovirus. Glycophorins A (GPA) and B (GPB), which are single, trans-membrane sialoglycoproteins. GPA is the carrier of blood group M and N specificities, while GPB accounts for S and U specificities. GPA and GPB provide the cells with a large mucin like surface and it has been suggested this provides a barrier to cell fusion, so minimizing aggregation between red blood cells in the circulation. |
| Purity/Purification                            | Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format                                    | 200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence Length                                | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-GYPA antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Positive Control                               | Erythrocytes in any human tissues.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Immunogen                                      | Recombinant full-length human GYPA protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cellular Localization                          | Cell Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hu-chromosome Location                         | 4q31.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Antibody Type                                  | Recombinant Rabbit Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                        | Antibody with azide: store at 2 to 8 degree C.<br>Antibody without azide: store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

IMAGES



**SDS-PAGE**  
SDS-PAGE Analysis Purified CD235a Recombinant Rabbit Monoclonal Antibody (GYPA/3219R). Confirmation of Integrity and Purity of Antibody.



**IHC (Immunohistochemistry)**  
Formalin-fixed, paraffin-embedded human Placenta stained with Glycophorin A Recombinant Rabbit Monoclonal Antibody (GYPA/3219R).

ADDITIONAL INFORMATION

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| References | 1. Andersson, L.C., et al. 1979. Glycophorin A as a cell surface marker of early erythroid differentiation in acute leukemia. Int. J. Cancer 23: 717-720. 2. Liszka, K., et al., 1983. Glycophorin A expression in malignant hematopoiesis. Am. J. Hematol. 15: 219-226 |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 259016238                                                              |
| NCBI GeneID                      | 2993                                                                   |
| UniProt Accession #              | P02724                                                                 |
| Molecular Weight                 | 39kDa                                                                  |
| 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/rabbit-gypa-human-antibody/glycophorin-a-cd235a/215005>