

## 36-2446: Anti-Glycophorin A / CD235a (Erythrocyte Marker Monoclonal Antibody(Clone: GYPA/1725R))

|                                |   |
|--------------------------------|---|
| <b>Clonality :</b>             | Monoclonal  |
| <b>Clone Name :</b>            | GYPA/1725R  |
| <b>Application :</b>           | WB,IHC  |
| <b>Reactivity :</b>            | Human   |
| <b>Gene :</b>                  | GYPA  |
| <b>Gene ID :</b>               | 2993; 2994  |
| <b>Uniprot ID :</b>            | P02724  |
| <b>Alternative Name :</b>      | Blood group--MN locus; GPA; GP <sub>E</sub> rik; GpM <sub>III</sub> ; GPSAT; GYPA; MN sialoglycoprotein; MNS; PAS2; Sialoglycoprotein alpha |
| <b>Isotype :</b>               | Rabbit IgG  |
| <b>Immunogen Information :</b> | Recombinant full-length human GYPA protein  |

### Description

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.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/ml of Ab Purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| <b>Storage condition :</b> | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. |

### Application Note

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

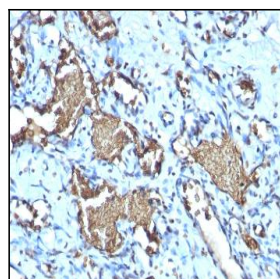


Fig. 1: Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Glycophorin A Rabbit Recombinant Monoclonal Antibody (GYPA/1725R).

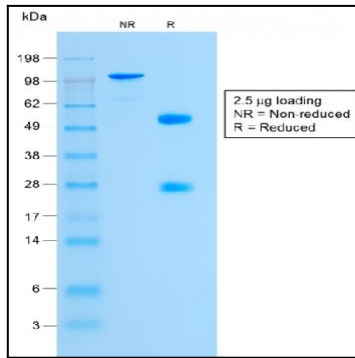


Fig. 2: SDS-PAGE Analysis Purified Glycophorin A Rabbit Monoclonal Antibody (GYPA/1725R). Confirmation of Purity and Integrity of Antibody.