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## 12-1186: Anti-Glycophorin A / CD235a (Erythrocyte Marker) Recombinant Mouse Monoclonal Antibody (Clone:rGYPA/280)

Clone Name: rGYPA/280
Application: WB,IHC
Reactivity: Human
Gene: GYPA

 Gene ID:
 2993 & 2994

 Uniprot ID:
 P02724

 Format:
 Purified

Alternative Name:

Blood group--MN locus; GPA; GPErik; GpMilll; GPSAT; GYPA; MN sialoglycoprotein; MNS; PAS2;

Sialoglycoprotein alpha

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Recombinant full-length human glycophorin A 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**

Amount :  $20 \mu g / 100 \mu g$ Purification : Protein A/G

Content: 200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA &

0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** 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 (1-2 $\tilde{A}$ [] $\hat{A}\mu$ g/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5 $\tilde{A}$ [] $\hat{A}\mu$ g/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&degC followed by cooling at RT for 20 minutes);



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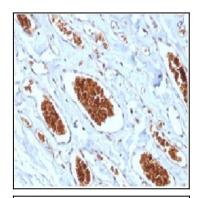


Figure 1: Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Glycophorin A Mouse Recombinant Monoclonal Antibody (rGYPA/280).

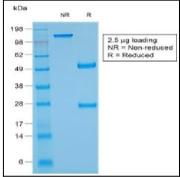


Figure 2: SDS-PAGE Analysis of Purified Glycophorin A Mouse Recombinant Monoclonal Antibody (rGYPA/280).