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36-2444: Anti-Glycophorin A / CD235a (Erythrocyte Marker) Monoclonal Antibody(Clone: JC159)

Clonality :	Monoclonal
Clone Name :	JC159
Application :	FACS,IF,IHC
Reactivity :	Human
Gene :	GYPA
Gene ID :	2993; 2994
Uniprot ID :	P02724
Alternative Name :	Blood group--MN locus; GPA; GPErik; GpMiIII; GPSAT; GYPA; MN sialoglycoprotein; MNS; PAS2; Sialoglycoprotein alpha
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Formalin fixed membrane from a Hairy cell leukemia

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 sÂµggested this provides a barrier to cell fusion, so minimizing aggregation between red blood cells in the circulation.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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.
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

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/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);

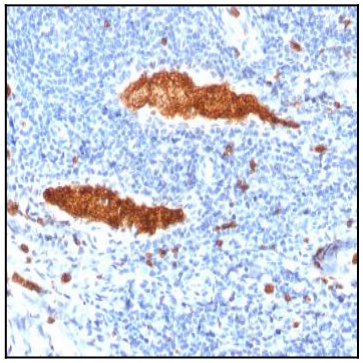


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Glycophorin A Mouse Monoclonal Antibody (JC159).

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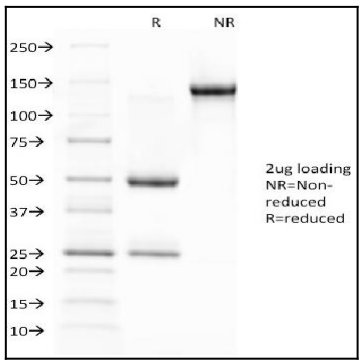


Fig. 2: SDS-PAGE Analysis Purified Glycophorin A Mouse Monoclonal Antibody (JC159). Confirmation of Integrity and Purity of Antibody.

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