

Mouse anti-Human CD235a Monoclonal Antibody | anti-CD235a antibody

Anti-Hu CD235a Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128584	Mouse	Human	Immunohistochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD235a; Monoclonal Antibody; Anti-Hu CD235a Purified; 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	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	HIR2
Specificity	The mouse monoclonal antibody HIR2 recognizes the N-terminal (extracellular) portion of glycophorin A (and weakly of glycophorin B). Its antigen is expressed on early erythroblasts, late erythroblasts, erythroblasts, mature erythrocytes and the cells of erythroid cell lines K562 and HEL, but not on all other cells.
Purity/Purification	Purified by Protein-A Affinity Chromatography
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	150
Applicable Applications for anti-CD235a antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Immunogen	Synthetic peptide (Human, N-terminal)
Preparation and Storage	Store at 2-8 degree C.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometry analysis (surface staining) of human peripheral blood with anti-CD235ab (HIR2) purified, GAM-APC.



IHC (Immunohistochemistry)

Immunohistochemistry staining of human adrenal (paraffin-embedded sections) with anti-CD235ab (HIR2), 10 ug/ml. Commercially tested by LifeSpan BioSciences.

ADDITIONAL INFORMATION

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.

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	GYPA
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-hir2-immunohistochemistry-immunohistochemistry-flow-cytometry-elisa/128584>