

Datasheet for ABIN2749051
anti-CD235a/GYPA antibody[Go to Product page](#)**2** Images**3** Publications

Overview

Quantity:	0.1 mg
Target:	CD235a/GYPA (GYPA)
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD235a/GYPA antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Membrane preparation from splenic hairy cell leukemia
Clone:	JC159
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody JC159 recognizes an epitope between amino acids 27 and 40 of the extracellular portion of CD235a (glycophorin A), a sialoglycoprotein expressed on early erythroblasts, late erythroblasts, erythroblasts, mature erythrocytes and the cells of erythroid cell lines K562 and HEL. The antibody does not react with glycophorin B.
Cross-Reactivity (Details):	Human, Rat
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	CD235a/GYPA (GYPA)
Alternative Name:	CD235a (GYPA Products)
Background:	Glycophorin A (MNS blood group),CD235a (glycophorin A, GPA) is a transmembrane sialoglycoprotein expressed on erythrocytes and their precursors. Similarly to CD235b (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, a Streptococcus adhesin.,Glycophorin A, GYPA, GPA, PAS-2, Sialoglycoprotein alpha, MN sialoglycoprotein, GPSAT, GP _E rik, MSN blood group
Gene ID:	2993
UniProt:	P02724
Pathways:	Maintenance of Protein Location

Application Details

Application Notes:	Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/mL. Flow cytometry: Recommended dilution: 1-4 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

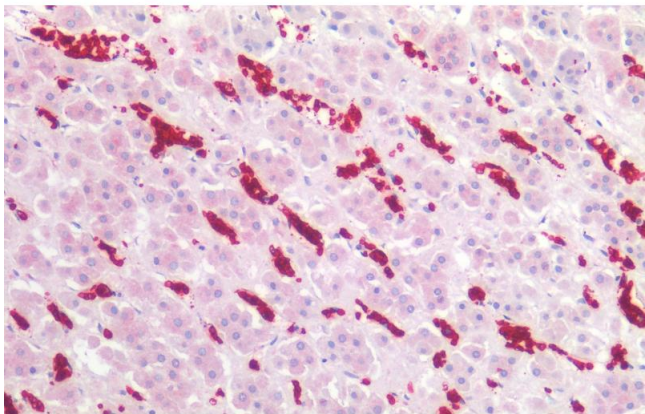
Publications

Product cited in:	Beck, Jagodzinski, Eller, Thelian, Matyas, Kunz, Alving: "Platelets and erythrocyte-bound platelets bind infectious HIV-1 in plasma of chronically infected patients." in: PLoS ONE , Vol. 8, Issue 11, pp. e81002, (2013) (PubMed).
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Alijotas-Reig, Palacio-Garcia, Llurba, Vilardell-Tarres: "Cell-derived microparticles and vascular pregnancy complications: a systematic and comprehensive review." in: **Fertility and sterility**, Vol. 99, Issue 2, pp. 441-9, (2013) ([PubMed](#)).

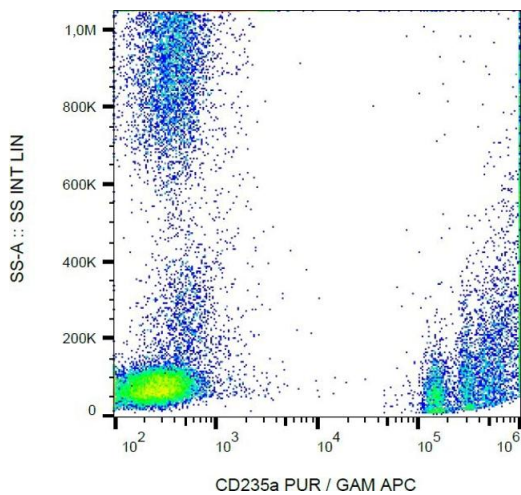
Maijenburg, Kleijer, Vermeul, Mul, van Alphen, van der Schoot, Voermans: "The composition of the mesenchymal stromal cell compartment in human bone marrow changes during development and aging." in: **Haematologica**, Vol. 97, Issue 2, pp. 179-83, (2012) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry staining of human adrenal (paraffin-embedded sections) with anti-CD235a (JC159), 5 µg/mL.



Flow Cytometry

Image 2. Flow cytometry analysis (surface staining) of CD235a in human peripheral blood (erythrocytes and leukocytes) with anti-CD235a (JC159) purified, GAM-APC.