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Datasheet for ABIN94041  
**anti-CD235ab antibody (N-Term)**

2 Images

Overview

Quantity:	0.1 mg
Target:	CD235ab (CD235a + CD235b)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD235ab antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Aggregation (AGG)

Product Details

Immunogen:	Synthetic peptide (Human, N-terminal)
Clone:	HIR2
Isotype:	IgG2b
Specificity:	The mouse monoclonal antibody HIR2 recognizes an epitope within the N-terminal (extracellular) portion of CD235a (glycophorin A) and CD235b (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.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.

## Product Details

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Purity: > 95 % (by SDS-PAGE)

## Target Details

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Target: CD235ab (CD235a + CD235b)

Alternative Name: CD235ab ([CD235a + CD235b Products](#))

Background: 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/B, GYPA/B, GPA/B, PAS-2/3, Sialoglycoprotein alpha/beta, GPSAT, GP<sub>E</sub>rik, MSN blood group

## Application Details

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Application Notes: Flow cytometry: Recommended dilution: 1-4 µg/mL

Restrictions: For Research Use only

## Handling

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Concentration: 1 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

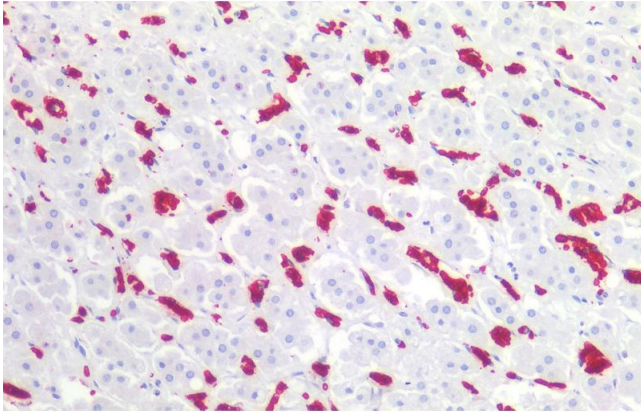
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: **Do not freeze.**

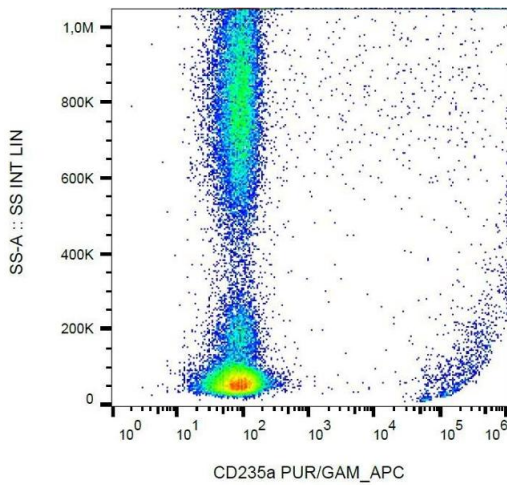
Storage: 4 °C

Storage Comment: Store at 2-8°C. Do not freeze.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry staining of human adrenal (paraffin-embedded sections) with anti-CD235ab (HIR2), 10 µg/mL.



### Flow Cytometry

**Image 2.** Surface staining of human peripheral blood with anti-CD235a (HIR2) purified, GAM-APC.