

### 30-2814: Anti-Hu CD235a Biotin

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	JC159
<b>Application :</b>	IHC, IHC-Fr, FACS
<b>Reactivity :</b>	Rat, Human
<b>Conjugate :</b>	Biotin
<b>Gene :</b>	GYPA
<b>Gene ID :</b>	2993
<b>Uniprot ID :</b>	P02724
<b>Alternative Name :</b>	glycophorin A (MNS blood group) Glycophorin A, GYPA, GPA, PAS-2, Sialoglycoprotein alpha, MN sialoglycoprotein, GPSAT, GPERik, MSN blood group
<b>Immunogen Information :</b>	Membrane preparation from splenic hairy cell leukemia

#### Description

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.

**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.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

Flow cytometry: Recommended dilution: 1-4  $\mu$ g/ml.