



	Technical Data Sheet	
Product	Anti-Hu CD235a Pacific Blue™	
Cat. Number/Size	PB-784-T100	100 tests
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD235a	
Clone	JC159	
Format	Pacific Blue™	
Reactivity	Rat, Human	
Application	FC (QC tested)	
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.	
Excitation laser	violet (405 nm)	
Isotype	Mouse IgG1 kappa	
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.	
Other names	Glycophorin A, GYPA, GPA, PAS-2, Sialoglycoprotein alpha, MN sialoglycoprotein, GPSAT, GPPerik, MSN blood group	
Immunogen	Membrane preparation from splenic hairy cell leukemia	
Entrez Gene ID	2993	
Gene name	GYPA	
NCBI Full Gene Name	glycophorin A (MNS blood group)	
UniProt ID	P02724	
Preparation	Purified antibody is conjugated with Pacific Blue™ NHS ester under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.	
Formulation	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Storage and handling	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.	
Images and References	www.exbio.cz	

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