



	Technical Data Sheet	
Product	Anti-Ms CD44 PE	
Cat. Number/Size	1P-624-C100	0.1 mg
	For Research Use Only.	
	Not for use in diagnostic or therapeutic procedures.	
Antigen	CD44	
Clone	IM7	
Format	PE	
Reactivity	Dog, Mouse, Human, Cat, Horse	
Application	FC (QC tested)	
Application details	Flow cytometry: Recommended dilution: 1-3 µg/ml; positive control: murine peripheral blood.	
Excitation laser	blue (488 nm)	
Isotype	Rat IgG2b kappa	
Specificity	The rat monoclonal antibody IM7 reacts with an extracellular epitope of CD44 antigen (Phagocyte glycoprotein 1), an 80-95 kDa transmembrane glycoprotein (hyaladherin family) present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes. The antibody reacts with all isoforms of mouse CD44.	
Other names	PGP-I, HUTCH-I, ECMR-III, Hermes antigen, Hyaluronate receptor, Heparan sulfate proteoglycan, Epican, MC56, MIC4	
Immunogen	Dexamethasone-induced cells of the SJL mouse spontaneous myeloid leukemia M1	
Entrez Gene ID	12505	
Gene name	CD44	
NCBI Full Gene Name	CD44 molecule	
UniProt ID	P15379	
Concentration	0.5 mg/ml	
Preparation	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.	
Formulation	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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