

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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