

Product datasheet

anti-CD45R0 mouse monoclonal, EBS-CD-027, purified

Short overview

Cat. No.	691586
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	EBS-CD-027
Immunogen	Lentil lectin purified glycoproteins from leucocytes from a B-cell CCL patient
Formulation	PBS with 0.02% sodium azide
UniprotID	P08575 (Human)
Synonym	Receptor-type tyrosine-protein phosphatase C, EC 3.1.3.48, Leukocyte common antigen, L-CA, T200, CD antigen CD45, PTPRC, CD45
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

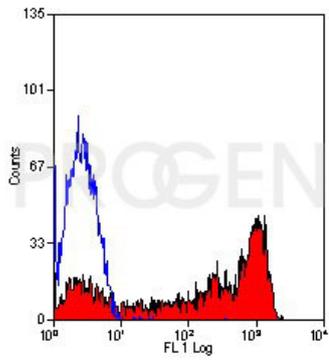
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

CD45 glycoproteins have various molecular weights on various cell types: B-cell 240 kDa, thymocytes 180 kDa, T-cells multiple bands. Reduced in PAGE gels: 180 and 240 kDa. Relevant epitopes are termed CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45R or CD45R0 (exons 4-6 spliced out). EBS-CD-027 reacts with mature activated T-cells, most thymocytes, and a sub-population of resting T-cells within both CD4 and CD8 subsets. It shows no reactivity with normal B-cells or natural killer cells, but reacts with granulocytes and monocytes. Reportedly, it is useful to identify T-cell lymphomas and leukemias. It rarely stains NK-cells or B-cell lymphomas.

Positive control: CCRF-CEM, Jurkat or MOLT-4 cells. Paracortex in tonsil or reactive lymph node.

Product images



FACS with human peripheral blood lymphocytes (PBL)