

Product datasheet

anti-CD45RA mouse monoclonal, 158-4D3, purified

Short overview

Cat. No.	691587
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a kappa
Clone	158-4D3
Immunogen	Stimulated human leucocytes
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 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:50-1:100 (1-2 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)

Background

CD45 glycoprotein have various molecular weights on various cell types: B-cell 240 kDa, thymocytes 180 kDa, T-cell multiple bands. Reduced in PAGE gels: 180 and 240 kDa. Relevant epitopes are termed CD45RA (exon 4), CD45 RB (exon 5, CD45RC (exon 6) and CD45R or CD45RO (exons 4-6 spliced out). 158-4D3 was clustered in Boston at the Vth International CD workshop as anti CD45RA, useful to differentiate "naive" T-cells from activated (CD45R0+ve) T-cells, or to differentiate T-cell lymphomas (CD45R0+ve) from B-cell lymphomas (CD45RA+ve).

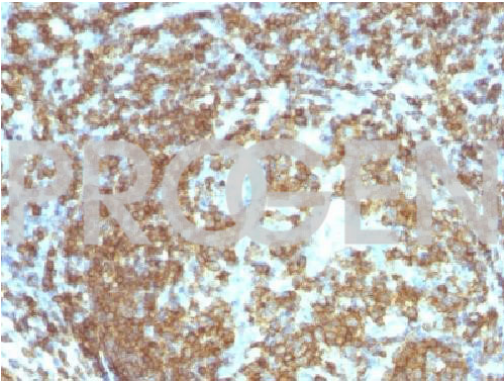
Positive control: Daudi, Raji, IM9 and human lymphocytes. Human lymph node and tonsil.

PROGEN Biotechnik GmbH | Maaßstraße 30 | D-69123 Heidelberg

Tel.: +49 (0) 6221 8278-0 | Fax: +49 (0) 6221 8278-24 | Email: info@progen.com | Web: www.progen.com

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Product images



Human tonsil