

Product datasheet

anti-CD45 mouse monoclonal, 135-4C5, purified

Short overview

Cat. No.	691585
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b kappa
Clone	135-4C5
Immunogen	Stimulated human leucocytes
Formulation	PBS with 0.02% sodium azide
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	ELISA, FACS, ICC/IF, IHC, WB
Reactivity	Human

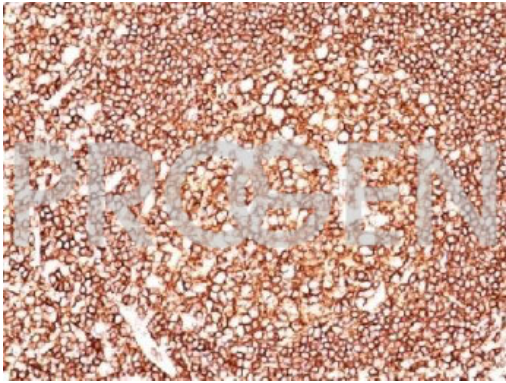
Applications

ELISA	Assay dependent
Flow Cytometry (FACS)	1-2 µg/million cells
Immunocytochemistry (ICC)	1:50-1:100 (1-2 µg/ml)
Immunohistochemistry (IHC) - frozen	1:25-1:50 (2-4 µg/ml)
Immunohistochemistry (IHC) - paraffin	1:25-1:50 (2-4 µg/ml; microwave treatment in 10 mM citrate buffer pH 6.0 recommended)
Western Blot (WB)	1:50-1:100 (1-2 µg/ml)

Background

CD45 glycoproteins have various molecular weights on various cell types: B-cells 240 kDa, thymocytes 180 kDa, T-cells multiple bands. Reduced in PAGE gels: 180 and 240 kDa. Isoforms are produced by alternative splicing. Various isoforms are expressed differently on different lymphocytes. All hematopoietic cells express CD45 proteins except erythrocytes. Relevant epitopes are termed CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45R or CD45R0 (exons 4-6 spliced out). 135-4C5 was clustered in Vienna at the IV international Workshop on human leucocyte differentiation antigens.

Positive control: tonsil, Ramos, U-698, or GA-10 cells.



Human tonsil