

Product datasheet

anti-CD53 mouse monoclonal, 63-5A3, purified

Short overview

Cat. No.	691592
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2b kappa
Clone	63-5A3
Immunogen	Human Sezary cells
Formulation	PBS with 0.02% sodium azide
UniprotID	P19397 (Human)
Synonym	Leukocyte surface antigen CD53, Cell surface glycoprotein CD53, Tetraspanin-25, Tspan-25, CD antigen CD53, CD53, MOX44, TSPAN25
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

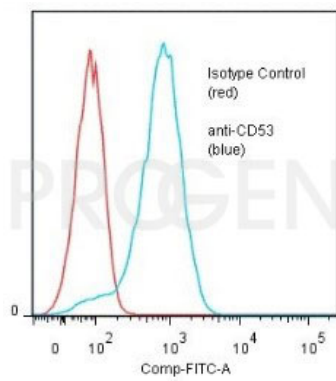
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

CD53 is a 33-55 kDa protein expressed on monocytes and macrophages, dendritic cells, osteoblasts and osteoclasts, and on B- and T-cells from every stage of differentiation, but is absent from platelets, red blood cells. CD53 appears to be the marker with widest reactivity as well as the marker with the strictest specificity to hematopoietic cells. 161-2 was typed in Kobe, Japan at the VIth International Workshop on human leucocyte differentiation antigens.

Positive control: Daudi, Raji, IM9, U266, YT, HUT-78, HUT-102, Jurkat, HL-60, THP-1, KG1a, human leucocytes, human tonsil and lymph node.

Product images



FACS with Jurkat cells