Product datasheet

anti-CD7 mouse monoclonal, BF12, purified

Short overview

Cat. No.	691555
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	BF12
Immunogen	CLL cells
Formulation	PBS with 0.02% sodium azide
UniprotID	P09564 (Human)
Synomym	T-cell antigen CD7, GP40, T-cell leukemia antigen, T-cell surface antigen Leu-9, TP41, CD antigen CD7, CD7
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human

Applications

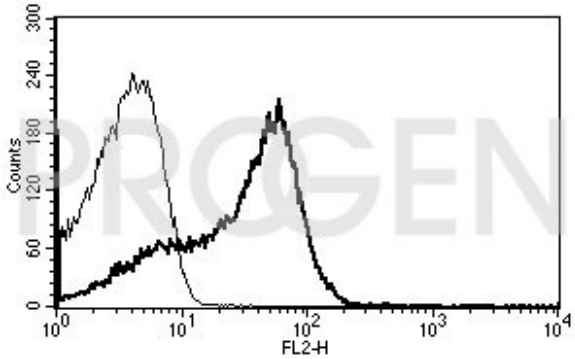
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

BF12 recognizes the 40 kDa CD7, a member of the immunoglobulin gene superfamily and expressed on the majority of immature and mature T-lymphocytes, and T-cell leukemia. It is also found on natural killer cells, a small subpopulation of normal B-cells and on malignant B-cells. CD7 associates directly with phosphoinositol 3'-kinase. CD7 ligation induces production of D-3 phosphoinositides and tyrosine phosphorylation.

Positive control: Jurkat, HUT-78, Molt-4, CEM cells, or human PBL. Lymph node and tonsil.

Product images



FACS with human peripheral blood lymphocytes (PBL)