

## Product datasheet

### anti-CD7 mouse monoclonal, BF12, purified

#### Short overview

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

#### Product description

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

#### Applications

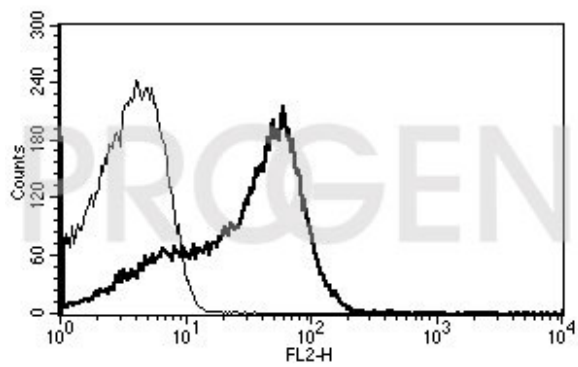
<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)

#### 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)