

Product datasheet

anti-CD100 mouse monoclonal, EBS-CD-045, purified

Short overview

Cat. No.	691612
Quantity	1 ml (100 µg/ml)
Concentration	100 µg/ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1 kappa
Clone	EBS-CD-045
Immunogen	PHA stimulated PBL
Formulation	PBS with 0.02% sodium azide
UniprotID	Q92854 (Human), O09126 (Mouse)
Synonym	Semaphorin-4D, A8, BB18, GR3, CD antigen CD100, SEMA4D, C9orf164, CD100, SEMAJ
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage	2-8°C
Intended use	Research use only
Application	FACS, ICC/IF, IHC
Reactivity	Human, Monkey, Mouse

Applications

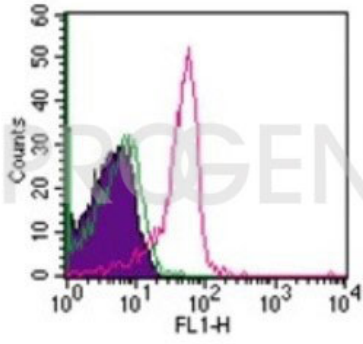
Flow Cytometry (FACS)	0.5-1.0 µg/million cells in 0.1 ml
Immunocytochemistry (ICC)	1:100-1:200 (0.5-1.0 µg/ml)
Immunohistochemistry (IHC) - frozen	1:50-1:100 (1-2 µg/ml)

Background

EBS-CD-045 reacts with human CD100, a 150 kDa homodimer cell-surface antigen that is expressed on resting and PHA-stimulated T-cells. It is absent from bone marrow, erythrocytes, eosinophils and endothelial cells. The protein is weakly expressed on NK-cells, EBV transformed B-cells, monocytes and tumor T-cell lines. It plays a role in homotypic cell adhesion and in T-cell activation.

Positive control: Daudi, Raji, HUT-78, Kg1a and U937 cells, PBL, tonsil and lymph node.

Product images



FACS with human peripheral blood lymphocytes (PBL)