

## Product datasheet

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

#### Short overview

<b>Cat. No.</b>	691612
<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>	EBS-CD-045
<b>Immunogen</b>	PHA stimulated PBL
<b>Formulation</b>	PBS with 0.02% sodium azide
<b>UniprotID</b>	Q92854 (Human), O09126 (Mouse)
<b>Synonym</b>	Semaphorin-4D, A8, BB18, GR3, CD antigen CD100, SEMA4D, C9orf164, CD100, SEMAJ
<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, Monkey, Mouse

#### Applications

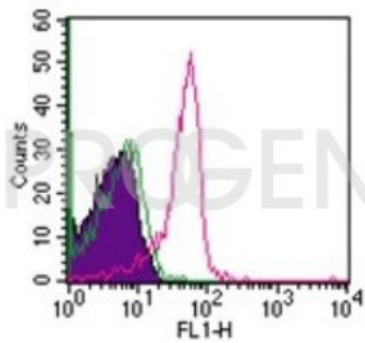
<b>Flow Cytometry (FACS)</b>	0.5-1.0 µg/million cells in 0.1 ml
<b>Immunocytochemistry (ICC)</b>	1:100-1:200 (0.5-1.0 µg/ml)
<b>Immunohistochemistry (IHC) - frozen</b>	1:50-1:100 (1-2 µg/ml)

#### Background

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)