

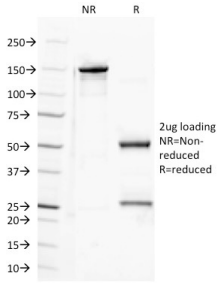
Anti-Semaphorin 4D Antibody [A8] (A248145)

Specifications:

Name:	Anti-Semaphorin 4D Antibody [A8]
Description:	Mouse monoclonal [A8] antibody to Semaphorin 4D.
Specificity:	This antibody recognizes a homodimeric protein comprised of 50kDa subunits, identified as CD100. It is expressed on majority of haemopoietic cells (B, T, NK and myeloid cells) and is absent from bone marrow, erythrocytes, eosinophils and endothelial cells. Its expression is increased after PHA-activation. CD100 was shown to associate with different partner molecules in T cells such as CD45, a key molecule with protein tyrosine phosphatase activity involved in T-cell transduction, and a Serine kinase. It plays a role in homotypic cell adhesion and in T cell activation.
Applications:	Functional Studies, Flow Cytometry, IF
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human, Monkey, Mouse
Immunogen:	PHA stimulated human peripheral blood lymphocytes.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	A8
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Semaphorin 4D Antibody [A8] - BSA and Azide free (A251328).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

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Images:



SDS-PAGE analysis of Anti-Semaphorin 4D Antibody [A8] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.