

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DSCAM-L1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 20% cross-reactivity with recombinant human DSCAM is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DSCAM-L1 Glu19-Lys1591 Accession # Q8TD84
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

DSCAM-L1 is a 250 kDa type I transmembrane Ig superfamily glycoprotein that is predominantly expressed in Purkinje cells and neurons of the cerebral cortex and olfactory bulb. DSCAM-L1 mediates cell adhesion by cation-independent homophilic interactions. It may function in the formation and maintenance of neural networks and play a role in neural disorders such as Gilles de la Tourette and Jacobsen syndromes. Human DSCAM-L1 contains ten Ig-like C2-type domains and six fibronectin type-III domains. An alternately spliced isoform is generated by deletion of 211 amino acids near the N-terminal. Within the extracellular domain, human DSCAM-L1 shares 98% amino acid sequence identity with mouse and rat DSCAM-L1.

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