

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MDL-1/CLEC5A in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% cross-reactivity with recombinant mouse MDL-1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MDL-1/CLEC5A Tyr26-Lys188 Accession # Q9NY25
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.
Immunohistochemistry	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

MDL-1 is an approximately 40 kDa transmembrane glycoprotein belonging to the C-type lectin superfamily (CLEC5A). MDL-1 is expressed on immature myeloid cells, monocytes, macrophages, dendritic cells, neutrophils, NK cells, and osteocytes. It contains a charged lysine in the transmembrane region that enables it to associate with DAP12 and deliver an activating signal. MDL-1 mediates inflammatory responses during autoimmune arthritis and upon binding to Dengue and Japanese encephalitis viruses. The extracellular domain (ECD) of MDL-1 contains a juxtamembrane stalk region and one C-type lectin domain. Within the ECD, human and mouse MDL-1 share 67% amino acid sequence identity.

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