

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD302/CLEC13A in direct ELISAs and Western blots. In direct ELISAs, less than 25% cross-reactivity with recombinant human (rh) CD302 is observed. No cross-reactivity with rhCLEC1, 2, 2A, 3B, 9A, 10A, 12B, 14A, recombinant mouse CLEC4B2, 9A,
Source	Monoclonal Rat IgG ₁ Clone # 662714
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD302/CLEC13A Met1-Cys165 Accession # Q9DCG2
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Western Blot 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

CD302, also known as CLEC13A and DCL-1, is a 35 kDa type I transmembrane glycoprotein in the C-type lectin family. CD302 is expressed on monocytes, macrophages, dendritic cells, and granulocytes. It contains one carbohydrate binding domain in its extracellular region and can mediate antigen uptake. In human Hodgkin's disease, a fusion protein containing portions of CD302 and the ECD of DEC-205 is expressed on Reed-Sternberg cells. Within the ECD, mouse CD302 shares 82% and 92% aa sequence identity with human and rat CD302, respectively.

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