

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD164 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 5% cross-reactivity with recombinant human CD164 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD164 Gln24-Thr160 Accession # Q9R0L9
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.

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

CD164, also known as MGC-24 (Multi-glycosylated protein 24), is a type I transmembrane sialomucin containing two extracellular mucin domains linked by a non-mucin domain. Depending on the cell type, CD164 has been localized to endosomes and lysosomes or the plasma membrane. When present at the cell surface, CD164 has been shown to function as an adhesion molecule that may play a role in hematopoiesis. At least two mouse CD164 splice variants have been reported. The shorter variant contains a 24 aa deletion between residues 86 and 109. The amino acid sequence of the extracellular domain of mouse CD164 is 79% and 58% identical to that of the rat and human protein, respectively.

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