Mouse CD164 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3118

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
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

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.*

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse CD164

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.