

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD164 in Western blots. In Western blots, approximately 5% cross-reactivity with recombinant mouse CD164 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CD164 extracellular domain Asp24-Leu197 Accession # Q04900
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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 Human 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.
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 endolyn, MGC-24, and MUC-24, is an 80-100 kDa transmembrane sialomucin protein that is expressed by epithelial cells, T and B cells, monocytes, hematopoietic progenitor cells, and activated basophils. CD164 functions as an adhesion molecule and a negative regulator of cell proliferation. A soluble isoform is generated by alternate splicing. Within the ECD, human CD164 shares approximately 53% sequence identity with mouse and rat CD164.