

Human CD164 Antibody

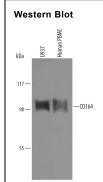
Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF5790

DESCRIPTION		
Species Reactivity	Human	
Specificity Detects human CD164 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombin 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 Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

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	1 μg/mL	See Below

DATA



Detection of Human CD164 by Western Blot. Western blot shows lysates of U937 human histiocytic lymphoma cell line and human peripheral blood mononuclear cells (PBMC). PVDF Membrane was probed with 1 $\mu g\text{/mL}$ of Sheep Anti-Human CD164 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5790) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for CD164 at approximately 100 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer

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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 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.

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