CD164 (H-4): sc-271179

**BACKGROUND**

CD164 is a mucin-like cell surface glycoprotein that facilitates adhesion of CD34+ cells and serves as a negative regulator of hematopoietic progenitor cell proliferation. Human CD164 in CD34+CD38+ hematopoietic progenitor and epithelial cell lines localizes to endosomes and lysosomes, with low concentrations also appearing at the cell surface.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: CD164 (human) mapping to 6q21; Cd164 (mouse) mapping to 10 B2.

**SOURCE**

CD164 (H-4) is a mouse monoclonal antibody raised against amino acids 1-123 mapping at the N-terminus of CD164 of human origin.

**PRODUCT**

Each vial contains 200 μg IgGκ kappa light chain in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

CD164 (H-4) is available conjugated to agarose (sc-271179 AC), 500 μg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-271179 HRP), 200 μg/ml, for WB, (HCP) and ELISA; to either phycoerythrin (sc-271179 PE), fluorescein (sc-271179 FITC), Alexa Fluor® 488 (sc-271179 AF488), Alexa Fluor® 546 (sc-271179 AF546), Alexa Fluor® 594 (sc-271179 AF594) or Alexa Fluor® 647 (sc-271179 AF647), 200 μg/ml, for WB (RGB), IF, IHC(IF) and FCM; and to either Alexa Fluor® 680 (sc-271179 AF680) or Alexa Fluor® 790 (sc-271179 AF790), 200 μg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**APPLICATIONS**

CD164 (H-4) is recommended for detection of CD164 of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 μg per 100-500 μg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).


Molecular Weight of CD164: 80 kDa.

Positive Controls: Jurkat nuclear extract: sc-2132, HL-60 whole cell lysate: sc-2209 or COLO 320DM cell lysate: sc-2226.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:


**DATA**

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.