



Mouse anti CXCR3 (CD183) Monoclonal Antibody

Alternative Name(s): Chemokine (C-X-C motif) receptor 3; CD182

Order Information

- **Description:** CXCR3 (CD183)
- **Catalogue:** 600-020
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 1C6
- **Application:** IHC(P), WB, FC
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A 37aa-synthetic peptide corresponding to the N-terminus of human CXCR3 conjugated to KLH.

BACKGROUND

Chemokine receptors are seven-transmembrane domain G-protein coupled receptors that mediate the biological activities of chemokines. Most of these receptors exhibit promiscuous binding properties whereby several different chemokines signal through the same receptor. They are named according to the chemokine subfamily they bind. There are currently six CXC-specific receptors designated CXCR1 to CXCR6. This antibody recognizes surface expressed CXCR3, as judged by staining of CXCR3 transfected cells, but not untransfected cells. The antibody also stained human T cells and T cell clones that had been activated in vitro with PHA or anti-CD3. However, the anti-CXCR3 antibody did not react with neutrophils. The CXCR3 receptor is also known as the IP-10 receptor and the Mig receptor.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes surface expressed CXCR3, and/or PHA or anti-CD3 activated human T cells. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: 0.5-5 $\mu\text{g}/10^6$ cells
- Molecular Weight: 41.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

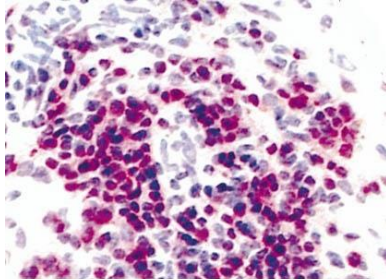
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



IHC: Mouse anti CXCR3 (Cat#600-020) stained on human inflammable lymphocytes at 1:500 dilution

Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-CXCR3 (Cat# 600-020) at 1:500 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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