

# AbboMax, Inc

Innovation at Work

## Mouse anti CXCR3 Monoclonal Antibody

Alternate Names: Chemokine CXC Motif receptor 3; CD183; GPR9; IP10R; MIGR

### 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 IgG1 is purified by Protein A-Affinity Chromatography according to Isotyping

### SPECIFICITY

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

### APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.5-2 µg/ml
ELISA	0.1-1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	1:500
Flowcytometry	2-5 µg/ml

### FORMULATION

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

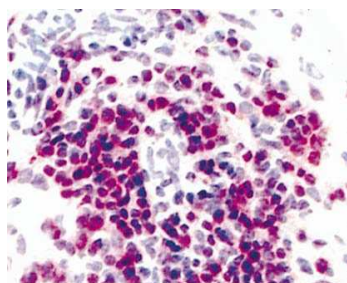
### STORAGE

The antibodies are stable for 12 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.

<b>MOLECULAR WEIGHT:</b>	~41 kDa
<b>POSITIVE CONTROL:</b>	Transfected CXCR3 Cells
<b>CELLULAR LOCATION:</b>	Cell Membrane

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

### DATA ATTACHMENTS



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

### REFERENCES

Qin S, et al. The chemokine receptors CXCR3 and CCR5 mark subsets of T cells associated with certain inflammatory reactions. J. Clin. Invest. 101: 746-754, 1998.

**FOR RESEARCH USE ONLY.**

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### Order Information

Description: Mouse anti CXCR3  
Catalogue#: 600-020  
Lot#: See the label  
Size: 100 µg/200 ul  
Host: Mouse  
Clone: 1C6  
Isotyping: IgG1.k  
Application: ELISA, FC, IHC  
Reactivity: Human