

Mouse anti-Human CXCR2 Monoclonal Antibody | anti-CXCR2 antibody

Mouse Monoclonal (IgG1) to Human CXCR2

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51804	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

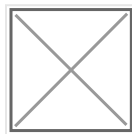
CXCR2; Monoclonal Antibody; Mouse Monoclonal (IgG1) to Human CXCR2; CXCR2 | CDw128b | CD182 antigen | CMKAR2 | CXCR-2 | CD182 | CXCR-2 | IL-8R B | IL-8 receptor b | IL-8 receptor type 2 | IL-8rb | IL8R2 | IL8RB | Interleukin-8 receptor type B | GRO/MGSA receptor | Interleukin 8 receptor beta | Interleukin 8 receptor; beta | Chemokine (CXC) receptor 2 | IL8RA | Interleukin 8 receptor B | Interleukin 8 receptor type 2; anti-CXCR2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	Recognizes human IL-8 receptor, type B.
Purity/Purification	Protein G Purified
Form/Format	PBS.
Concentration	1 mg/ml (varies by lot)
Sequence Length	360
Applicable Applications for anti-CXCR2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	L1.2 cells expressing human IL-8 (interleukin-8) receptor, type B.
Immunogen Type	Cells
Immunogen	CXCR2 antibody was raised against L1.2 cells expressing human IL-8 (interleukin-8) receptor, type B.
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Short term: store at 4°C. Long term: aliquot and store -20°C for up to 12 months. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Anti-CXCR2 antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-CXCR2 antibody

The IL8RB is a Chemokine Receptor also known as type 1 interleukin-8 receptor. There are three interleukin-8 receptors on chromosome 2: IL8RA (type 2), IL8RB (type 1), and a pseudogene. Results from mouse knock-out studies suggest that IL8RB may inhibit the expansion and development of neutrophils and B cells (Cacalano et al., 1994). IL8RB is a high-affinity receptor for IL8, and for GROalpha, beta, and gamma (Ahuja and Murphy, 1996).

Product Categories/Family for anti-CXCR2 antibody

Family: GPCR; Subfamily: Chemokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504683
NCBI GeneID	3579
NCBI Accession #	NP_001548.1
NCBI GenBank Nucleotide #	NM_001557.3
UniProt Accession #	P25025; Q8IUZ1; Q9P2T6; Q9P2T7; AAA15417; AAB24742
NCBI Official Full Name	C-X-C chemokine receptor type 2
NCBI Official Synonym Full Names	chemokine (C-X-C motif) receptor 2
NCBI Official Symbol	CXCR2
NCBI Official Synonym Symbols	CD182; IL8R2; IL8RA; IL8RB; CMKAR2; CDw128b
NCBI Protein Information	C-X-C chemokine receptor type 2; CXC-R2; CXCR-2; IL-8R B; GRO/MGSA receptor; IL-8 receptor type 2; interleukin 8 receptor B; chemokine (CXC) receptor 2; interleukin 8 receptor, beta; interleukin 8 receptor type 2; interleukin-8 receptor type B; CXCR2 gene for IL8 receptor type B; high affinity interleukin-8 receptor B
UniProt Protein Name	C-X-C chemokine receptor type 2
UniProt Gene Name	CXCR2
UniProt Synonym Gene Names	IL8RB; CXC-R2; CXCR-2; IL-8R B
UniProt Entry Name	CXCR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cxcr2-antibody-flow-cytometry-immunohistochemistry-immunohistochemistry-elisa/51804>