

# CXCR7 Recombinant Mouse mAb

CXCR7 Recombinant Mouse mAb

Catalog # AP94318

## Product Information

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<b>Application</b>	WB, IF, ICC
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant
<b>Physical State</b>	Liquid
<b>Isotype</b>	IgG2b/Kappa
<b>Purity</b>	affinity purified by Protein G
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Cell membrane; Multi-pass membrane protein. Cytoplasm, perinuclear region. Early endosome. Recycling endosome (By similarity). Note=Localized mainly in perinuclear regions in neurons and in early endosomes in T-lymphocytes and some other cell types, with very low levels detected on the cell surface. May spontaneously cycle between the plasma membrane and endosomal compartments.
<b>SIMILARITY</b>	Belongs to the G-protein coupled receptor 1 family.
<b>SUBUNIT</b>	Homodimer. Can form heterodimers with CXCR4; heterodimerization may regulate CXCR4 signaling activity.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas. [provided by RefSeq, Jul 2008]

## Additional Information

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<b>Target/Specificity</b>	Expressed in monocytes, basophils, B-cells, umbilical vein endothelial cells (HUVEC) and B-lymphoblastoid cells. Lower expression detected in CD4+ T-lymphocytes and natural killer cells. In the brain, detected in endothelial cells and capillaries, and in mature neurons of the frontal cortex and hippocampus. Expressed in tubular formation in the kidney. Highly expressed in astroglial tumor endothelial, microglial and glioma cells. Expressed at low levels in normal CD34+ progenitor cells, but at very high levels in several myeloid malignant cell lines. Expressed in breast carcinomas but not in normal breast tissue (at protein level).
<b>Dilution</b>	WB=1:200-1000, ICC/IF=1:20-50
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

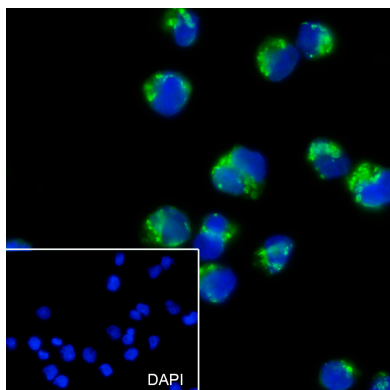
## Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

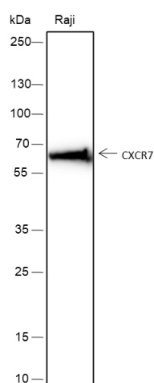
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## Images



Cell line: Raji Fixative: 4% Paraformaldehyde  
Permeabilization: 0.1% TritonX-100 Primary Ab dilution:  
1:50 Primary incubation condition: 4°C overnight  
Secondary Ab: Goat Anti-Mouse IgG Nuclear counter  
stain: DAPI (Blue) Comment: Color green is the positive  
signal for AP94318



Blocking buffer: 5% NFDM/TBST Primary Ab dilution:  
1:1000 Primary Ab incubation condition: 4°C overnight  
Secondary Ab: Goat Anti-Mouse IgG H&L (HRP) Lysate: 1:  
Raji Protein loading quantity: 20 µg Exposure time: 30 s  
Predicted MW: 60 kDa Observed MW: 60 kDa

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