

Rabbit anti-Human, Mouse CXCR4/CD184 Monoclonal Antibody | anti-CXCR4/CD184 antibody

CXCR4/CD184 (EP394)

CATALOG # AAA59364	HOST Rabbit	REACTIVITY Human, Mouse
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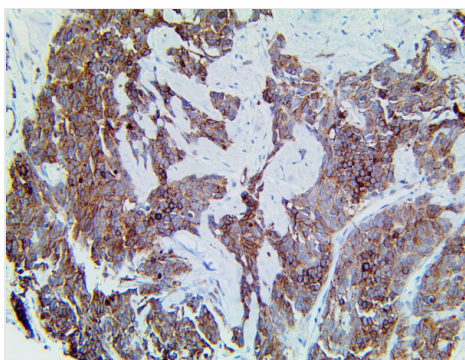
PRODUCT SYNONYMS

CXCR4/CD184; Monoclonal Antibody; CXCR4/CD184 (EP394); CXCR4; anti-cxcr4; cd184; anti-cd184; fusin; anti-fusin; chemokine receptor 4; anti-chemokine; anti-CXCR4/CD184 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Clone Number	EP394
Form/Format	Paraffin, Frozen CXCR4/CD184 is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to residues of the human CXCR4 protein.
Control	Fallopian Tube, Adrenal Gland, Stomach, Kidney, Transitional Cell Carcinoma, T Cell Lymphoblastic Lymphoma, Tonsil, Testis
Localization	Cytoplasmic, Membranous
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)

CXCR4 Antibody Immunohistochemistry on an FFPE Lung Neuroendocrine Tissue

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-CXCR4/CD184 antibody	Chemokine Receptor 4 (CXCR4, also CD184 or Fusin) is a homeostatic chemokine. Its major function is to regulate hematopoietic cell trafficking and secondary lymphoid tissue architecture. CXCR4 is widely expressed on Hematopoietic cells, including CD34+ HSC, T Lymphocytes, B Lymphocytes, Monocytes, Macrophages, Neutrophils, and Eosinophils, as well as organs including Brain, Heart, Colon, and Kidney, and Endothelial cells, Epithelial cells, and Smooth Muscle progenitors. With roles in cell homing and tissue repair, CXCR4 is involved in cancer cell physiology, survival, and metastasis in >20 cancer types. CXCR4 induces and recruits stem cells and promotes angiogenesis in tumors, and responds to CXCL12 expression to promote metastasis in cancers of the Bone, Brain, Breast, Lung, Liver, Kidney, and other tissues. The SDF-1/CXCR4 axis plays a crucial role in engraftment, where CXCR4 antibody expression is correlated with inflammation and graft rejection. The most studied role for CXCL12 chemokine and its receptor CXCR4 in Breast Cancer pathogenesis is the metastasis event, although several reports have demonstrated its involvement in other processes, such as angiogenesis and tumor growth. It has been found that CXCR4 is required for Breast Cancer cell migration to other sites such as Lung, Bone, and Lymph nodes, which express high levels of CXCL12 chemokine. Therefore, CXCR4 antibody is being considered a prognostic marker in Breast Cancer.
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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://www.aaabiotech.com/monoclonal/cxcr4-cd184-antibody-clone-ep394-elisa/59364>