

bs-20317R**[Primary Antibody]****CXCR4 | CD184 Rabbit pAb****BioSS**
ANTIBODIES

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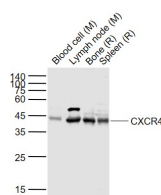
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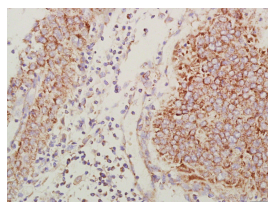
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— DATASHEET —

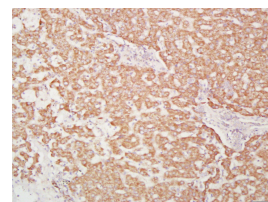
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 7852	SWISS: P61073	IHC-F (1:100-500)
Target: CXCR4 CD184		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human CXCR4: 1-38/352. < Extracellular >		Reactivity: Human, Mouse, Rat
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 40 kDa
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		Observed MW.: 44 kDa
Background: This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Monomer. Can form dimers.		Subcellular Location: Cell membrane

— VALIDATION IMAGES —

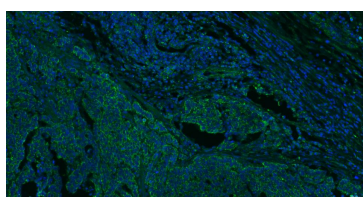
Sample: Lane 1: Blood cell (Mouse) Lysate at 40 ug
Lane 2: Lymph node (Mouse) Lysate at 40 ug
Lane 3: Bone (Rat) Lysate at 40 ug Lane 4: Spleen (Rat) Lysate at 40 ug
Primary: Anti-CXCR4 (bs-20317R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 45 kD Observed band size: 44 kD



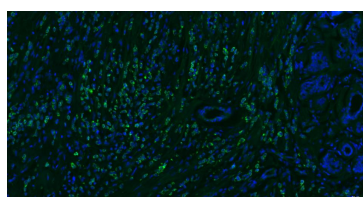
Paraformaldehyde-fixed, paraffin embedded (Human esophageal cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CXCR4) Polyclonal Antibody, Unconjugated (bs-20317R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human liver cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CXCR4) Polyclonal Antibody, Unconjugated (bs-20317R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded Human esophageal cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CXCR4 Polyclonal Antibody, Unconjugated (bs-20317R) at 1:200



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CXCR4 Polyclonal Antibody, Unconjugated (bs-20317R) at 1:200

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-0295G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=8.2]** Wang Ziyi. et al. Targeting Myeloid Trem2 Reprograms the Immunosuppressive Niche and Potentiates Checkpoint Immunotherapy in NASH-Driven Hepatocarcinogenesis. CANCER IMMUNOL RES. 2025 Aug;; WB ;Mouse. 40748990
- **[IF=5.31]** Yan-Fei Zhang. et al. CXCR4 and TYROBP mediate the development of atrial fibrillation via inflammation. JOURNAL OF CELLULAR AND MOLECULAR MEDICINE. 2022 May 23 IF ;Rat. 35607269
- **[IF=-]** Luo Y et al. METHOD FOR INHIBITING LYMPHANGIOGENESIS BY ADMINISTRATION OF AN INHIBITOR OF THE CXCL12 PATHWAY. WB ;Mouse. US20180094051A1