

bs-1011R**[Primary Antibody]****CXCR4 Rabbit pAb****Bioss**
ANTIBODIES

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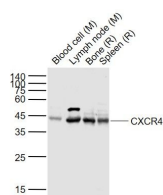
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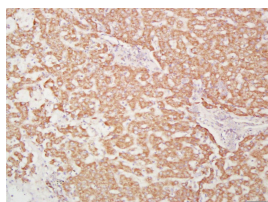
400-901-9800

— DATASHEET —

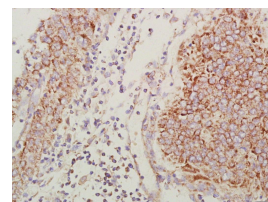
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat Predicted MW.: 40 kDa Observed MW.: 44 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 7852	SWISS: P61073	
Target: CXCR4		
Immunogen: KLH conjugated synthetic peptide derived from the middle of human CXCR4: 1-38/352. < Extracellular >		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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.		
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.		

— 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 Liver Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CXCR4 Polyclonal Antibody, Unconjugated (bs-1011R) at 1:400 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) 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-1011R) at 1:400 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=24.633]** Yanxin Li. et al. Decoding the temporal and regional specification of microglia in the developing human brain. Cell Stem Cell. 2022 Mar;; IF ;Mouse,Human. 35245443
- **[IF=13.965]** Colas,et al.Impaired Production and Diurnal Regulation of Vascular RvDn-3 DPA Increase Systemic Inflammation and Cardiovascular Disease.(2018) Circulation Research. 122:855-863. FCM ;Human. 29437834
- **[IF=8.98]** Pei Guangchang. et al. Renal Interstitial Infiltration and Tertiary Lymphoid Organ Neogenesis in IgA Nephropathy. CLIN J AM SOC NEPHRO. 2014 Feb;9(2):255 IHC ;="Human". 24262509
- **[IF=7.84]** Zhuo Wei. et al. The CXCL12–CXCR4 Chemokine Pathway: A Novel Axis Regulates Lymphangiogenesis. CLIN CANCER RES. 2012 Sep;18(19):5387-5398 Other ;="Human, Mouse". 22932666

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

- **[IF=6.8]** Kawabata, Shuhei. et al. Association of Gut Microbiome with Early Brain Injury After Subarachnoid Hemorrhage: an Experimental Study. TRANSL STROKE RES. 2022 Dec;;1-14 FCM ;Rat. 36484924