

bs-10185R**[Primary Antibody]****CMKLR1 Rabbit pAb****Bioss**
ANTIBODIES

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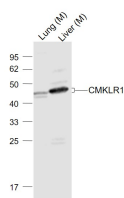
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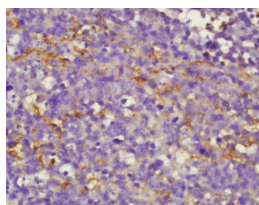
400-901-9800

— DATASHEET —

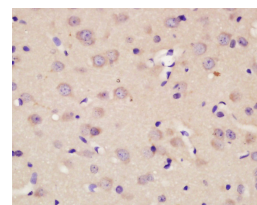
Host: Rabbit Clonality: Polyclonal Target: CMKLR1 Immunogen: KLH conjugated synthetic peptide derived from rat CMKLR1: 151-250/371. < Extracellular > Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: Chemokine-Like Receptor 1 (CMKLR1) is a serpentine transmembrane G-protein linked receptor. It is an orphan chemoattractant receptor, also known as ChemR23 or DEZ. CMKLR1 is expressed on the surface of monocyte-derived immature dendritic cells and peripheral plamacytoid dendritic (pDC) cells; but not on myeloid dendritic (mDC) cells, monocytes and lymphocytes. The expression of CMKLR1 on pDC is down-regulated after activation. Chemerin (TIG2) is a natural ligand of CMKLR1. The interaction of CMKLR1 with Chemerin induces pDC activation and chemotaxis. It has been shown that CMKLR1 is a coreceptor for several strains of SIV and HIV-1. CMKLR1 is a potential useful marker for distinguishing pDCs and mDCs.	Isotype: IgG Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Sheep, Dog) Predicted MW.: 42 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

Sample: Lane 1: Lung (Mouse) Lysate at 40 ug
 Lane 2: Liver (Mouse) Lysate at 40 ug
 Primary: Anti-CMKLR1 (bs-10185R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 42 kD
 Observed band size: 42 kD



Tissue/cell: human glioma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-CMKLR1 Polyclonal Antibody, Unconjugated(bs-10185R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-CMKLR1 Polyclonal Antibody, Unconjugated(bs-10185R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=7.58]** Qu, Xinli, et al. "Resolvins E1 and D1 inhibit interstitial fibrosis in the obstructed kidney via inhibition of local fibroblast proliferation." The Journal of pathology 228.4 (2012): 506-519. WB,IHC ;="Mouse". 22610993
- **[IF=5.195]** Jing-Xiao Wang. et al. Chemerin-9 in paraventricular nucleus increases sympathetic outflow and blood pressure via glutamate receptor-mediated ROS generation. EUR J PHARMACOL. 2022 Dec;936:175343 WB ;Rat. 36306926
- **[IF=4.6]** Tianmeng Sun. et al.Molecular dynamics of chemotactic signalling orchestrates dental pulp stem cell fibrosis

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

during aging.FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY.2025 Jan 10:12:1530644. Western blot ;Mouse.
39866843

- **[IF=3.61]** Peng, Lei, et al. "The Chemerin Receptor CMKLR1 is a Functional Receptor for Amyloid- β Peptide." Journal of Alzheimers Disease (2014). Other ;="Mouse". 25079809
- **[IF=3.448]** Hanthazi A et al. Chemerin influences endothelin-and serotonin-induced pulmonary artery vasoconstriction in rats. Life Sci. 2019 Jun 16:116580. IHC ;Rat. 31216440