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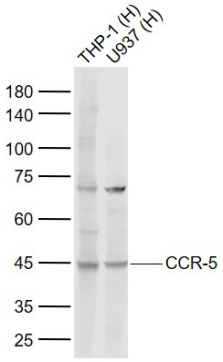
CCR5 Rabbit pAb

Catalog Number:	bs-2514R
Target Protein:	CCR5
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Human
Predicted MW:	40 kDa
Entrez Gene:	1234
Swiss Prot:	P51681
Source:	KLH conjugated synthetic peptide derived from human CCR-5: 201-300/352.
Purification:	affinity purified by Protein A
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 member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. This protein is expressed by T cells and macrophages, and is known to be an important co-receptor for macrophage-tropic virus, including HIV, to enter host cells. Defective alleles of this gene have been associated with the HIV infection resistance. The ligands of this receptor include monocyte chemoattractant protein 2 (MCP-2), macrophage inflammatory protein 1 alpha (MIP-1 alpha), macrophage inflammatory protein 1 beta (MIP-1 beta) and regulated on activation normal T expressed and secreted protein (RANTES). Expression of this gene was also detected in a promyeloblastic cell line, suggesting that this protein may play a role in granulocyte lineage proliferation and differentiation. This gene is located at the chemokine receptor gene cluster region. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

VALIDATION IMAGES



Sample: Lane 1: Human THP-1 cell lysates Lane 2: Human U937 cell lysates Primary: Anti-CCR-5 (bs-2514R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40 kD Observed band size: 43 kD

PRODUCT SPECIFIC PUBLICATIONS

[IF=9.9] Wu Guanghao. et al. Thylakoid engineered M2 macrophage for sonodynamic effect promoted cell therapy of early atherosclerosis. NANO RES. 2023 Sep;:1-10 WB,FCM ; Mouse . 10.1007/s12274-023-6156-2

[IF=10.317] Jianxiong Xu. et al. Nanoparticles retard immune cells recruitment in vivo by inhibiting chemokine expression. Biomaterials. 2021 Jan;265:120392 WB ; Human . 32992116

[IF=7.3] Kazuhiro Onuma. et al. Bardoxolone methyl prevents metabolic dysfunction-associated steatohepatitis by inhibiting macrophage infiltration. BRIT J PHARMACOL. 2024 Apr;: IHC ; Mouse . 38599607

[IF=5.793] Nicolas Pelisch. et al. CCL3 contributes to secondary damage after spinal cord injury. J Neuroinflamm. 2020 Dec;17(1):1-16 WB ; Mouse . 33246483

[IF=5.714] Tianming Li. et al. IL-17D affects the chemokines and chemokine receptors of intestinal epithelial cells under hyperoxia. INT IMMUNOPHARMACOL. 2022 Dec;113:109386 IHC ; Rat, Human . 36461593