

Product datasheet for **TA328792**

CXCR1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3,000; FC: 1:50-1:600
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide (C)SNITDPQMW DFDDLN, corresponding to aminoacid residues 2-16 of human CXCR1. Extracellular, N-terminus.
Formulation:	Lyophilized. Concentration before lyophilization ~0.8mg/ml (lot dependent, please refer to CoA along with shipment for actual concentration). Buffer before lyophilization: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN ₃ .
Reconstitution Method:	Add 50 ul double distilled water (DDW) to the lyophilized powder.
Purification:	Affinity purified on immobilized antigen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	C-X-C motif chemokine receptor 1
Database Link:	NP_000625 Entrez Gene 3577 Human P25024



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Background:

Chemokine receptors belong to the seven transmembrane domain G-Protein Coupled Receptors and are differentially expressed in diverse cell types. In leukocytes, chemokines coordinate development, differentiation, anatomic distribution, trafficking, and effector functions and thereby regulate innate and adaptive immune responses. To date, 18 chemokine receptors are known and designated as CXCR1-5, CCR1-11, XCR1, and CX3CR1 based on their specific chemokine preferences. The CXC chemokine receptors specifically bind and respond to cytokines of the CXC chemokine family. CXCR1 and CXCR2 were the first chemokine receptor subtypes to be defined. They are the only known mammalian receptors for ELR+ CXC chemokines [CXC chemokines which contain the tripeptide motif glutamic acid-leucine-arginine (ELR) N-terminal to the first cysteine]. CXCR1 and CXCR2 both bind IL-8, with similar high affinity; they do not bind other types of chemokines. CXCR1 and CXCR2 are the major chemokine receptors expressed on neutrophils. They appear to operate mainly in acute inflammation and innate immunity.

Synonyms:

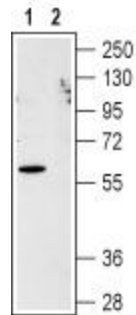
C-C; C-C-CKR-1; CD128; CD181; CDw128a; CKR-1; CMKAR1; IL8R1; IL8RA; IL8RBA

Protein Families:

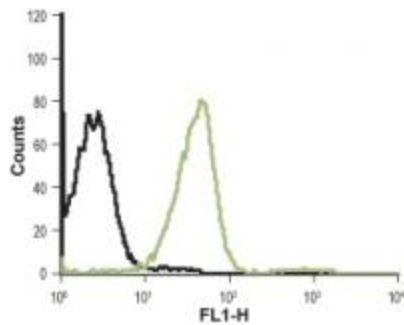
Druggable Genome, GPCR, Transmembrane

Protein Pathways:

Chemokine signaling pathway, Cytokine-cytokine receptor interaction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection

Product images:

Western blot analysis of CXCR1 in Jurkat cell lysate: 1. Anti-CXCR1 (extracellular) antibody, (1:200). 2. Anti-CXCR1 (extracellular) antibody, preincubated with the control peptide antigen.



Indirect Flow cytometry analysis of Jurkat living cells: black line, Unstained cells. green line, Cells + Anti-CXCR1 (extracellular) antibody, (10 ug/5x10⁵ cells).