Human XCR1 PE-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: FAB857P
100 TESTS, 25 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human XCR1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human XCR1 Met1-Thr31, Ser89-Lys103, His168-His190, Phe251-Tyr267 Accession # P46094
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

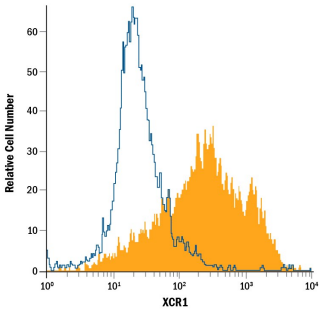
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

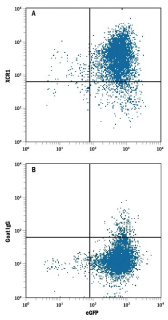
DATA

Flow Cytometry



Detection of XCR1 in Human PBMCs by Flow Cytometry. Human peripheral blood mononuclear cells (PBMCs) treated with LPS were stained with Goat Anti-Human XCR1 PE-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # FAB857P, filled histogram) or isotype control antibody (Catalog # IC108P, open histogram). View our protocol for Staining Membrane-associated Proteins.

Flow Cytometry



Detection of XCR1 in NS0 Mouse Cell Line Transfected with Human XCR1 and eGFP by Flow Cytometry. NS0 mouse myeloma cell line transfected with human XCR1 and eGFP was stained with either (A) Goat Anti-Human XCR1 PE-conjugated Antigen Affinity-purified Polyclonal Antibody (Catalog # FAB857P) or (B) Normal Goat IgG Phycoerythrin Control (Catalog # IC108P). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

XCR1, also known as GPR5 and Lymphotactin/SCM-1 (Single Cysteine Motif 1) Receptor, is a 38 kDa member of the G-protein coupled receptor 1 family. It binds XCL1/Lymphotactin/SCM-1α and XCL2/SCM-1β. In addition, Human Herpes Virus 8 (HHV8) encodes two viral chemokines vCCL2/vMIP-II and vCCL3/vMIP-III that function as an antagonist and a highly selective agonist, respectively, for XCR1. XCR1 is expressed on neutrophils, $CD8^+$ T cells, NK cells, $CD4^+$ T cells and B cells. Human XCR1 is a 333 amino acid (aa), 7-transmembrane molecule. It contains a 32 aa N-terminus that lacks glycosylation sites and a 42 aa C-terminal cytoplasmic tail. Over the extracellular regions used for immunization, human XCR1 shares 62%, 54% and 64% aa identity with canine, mouse and porcine XCR1, respectively.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956