

# **Human XCR1 PE-conjugated Antibody**

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

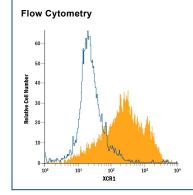
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human XCR1 in direct ELISAs and Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human XCR1 Met1-Thr31, Ser89-Lys103, His168-His190, Phe251-Tyr267 Accession # P46094		
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**

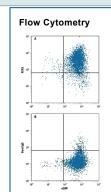
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

F	Recommended Concentration	Sample
Flow Cytometry 1	0 μL/10 <sup>6</sup> cells	See Below

#### DATA



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.



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.

