

DESCRIPTION

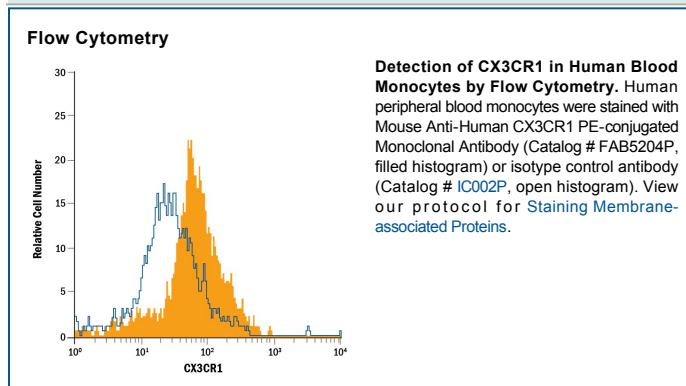
Species Reactivity	Human
Specificity	Detects human CX3CR1 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 528728
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human CX3CR1 Met1-Thr31, Leu91-Lys103, Thr168-Thr195, Lys257-Leu273 Accession # NP_001328
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 μ L/10 ⁶ cells	See Below

DATA



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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

CX3CR1 is a 40 kDa seven transmembrane chemokine receptor that is expressed on several T cell subsets, monocytes, macrophages, microglia, and epithelial cells. CX3CR1 binding to membrane bound or soluble CX3CR1/Fractalkine promotes inflammatory responses by inducing monocyte adhesion to endothelial cells and macrophage activation. CX3CR1 polymorphisms are associated with the development of chronic inflammatory disorders. Alternately spliced isoforms have extended N-terminal extracellular regions that increase the potency of CX3CR1 as a fusion co-receptor for HIV-1. Human CX3CR1 shares 82% amino acid sequence identity with mouse and rat CX3CR1.