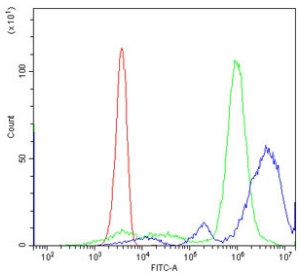
CXCR1 Antibody (R31191)

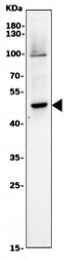
Catalog No.	Formulation	Size
R31191	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P25024
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This CXCR1 antibody is available for research use only.



Flow cytometry testing of human PBM cells with CXCR1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CXCR1 antibody.



Western blot testing of human Jurkat cell lysate with CXCR1 antibody. Predicted molecular weight ~40 kDa.

Description

Chemokine CXC Motif Receptor 1, also known as IL8R, is the receptor for IL8. Morris et al.(1992) mapped the gene to chromosome 2q35. Hartl et al.(2007) concluded that CXCR1 cleavage and its functional consequences represent an important pathophysiologic mechanism in CF and other neutrophilic airway diseases. Binding of IL-8 to its receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system. CXCR1 binds to IL-8 with a high affinity and to MGSA (GRO) with a low affinity.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CXCR1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Chemokine CXC Motif Receptor 1 (DEDYSPCMLETETLN) was used as the immunogen for this CXCR1 antibody.

Storage

After reconstitution, the CXCR1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.