Datasheet for ABIN7505874

anti-CXCR7 antibody (FITC)

1 Image

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Overview

Quantity:	100 tests
Target:	CXCR7
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CXCR7 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD187 FITC
Clone:	10D1-J16
Isotype:	IgG2a kappa
Specificity:	The mouse monoclonal antibody 10D1-J16 recognizes an extracellular epitope on CD187/CXCR7, a transmembrane protein of chemokine receptor family.
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CXCR7
Alternative Name:	CD187 (CXCR7 Products)

Target Details

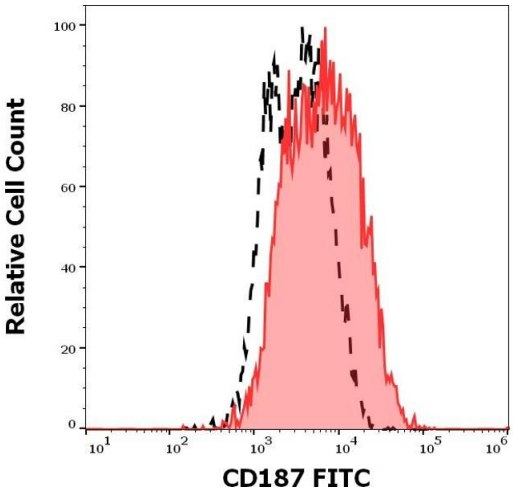
Background:	Atypical chemokine receptor 3,CD187 (CXCR7) is a member of chemokine receptor family, but with discussed specificity. It is expressed in various tissues and cells, such as placenta, urinary bladder, fetal liver cells, tumor cells, activated endothelium, monocytes, lymphocytes, mature dendritic cells, and other.,CXCR7, RDC1, GPR159, ACKR3
Gene ID:	57007
UniProt:	P25106
Pathways:	Myometrial Relaxation and Contraction, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
Restrictions:	For Research Use only

Handling

Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Separation of MCF-7 cells stained using anti-human CD187 (10D1-J16) FITC antibody (4 µL reagent per million cells in 100 µL of cell suspension, red-filled) from MCF-7 cells stained using mouse IgG2b isotype control (MPC-11) FITC antibody (concentration in sample 10 µg/mL, same as CD187 FITC concentration, black-dashed) in flow cytometry analysis (surface staining) of MCF-7 cell suspension.