9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

30-2851: Anti-Human CD187 FITC MAb (Clone: 10D1-J16)

Clonality :	Monoclonal
Clone Name :	10D1-J16
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
Gene :	ACKR3, atypical chemokine receptor 3
Gene ID :	57007
Uniprot ID :	P25106
Alternative Name :	CXCR7, RDC1, GPR159, ACKR3
Isotype :	Mouse IgG2a kappa

Description

Specificity: The mouse monoclonal antibody 10D1-J16 recognizes an extracellular epitope on CD187/CXCR7, a transmembrane protein of chemokine receptor family.

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.

Product Info

Amount :	100 tests
Purification :	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

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.

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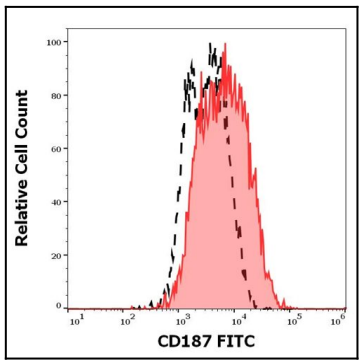

Figure 1: Separation of MCF-7 cells stained using anti-human CD187 (10D1-J16) FITC antibody (4 Î¼l reagent per million cells in 100 Î¼l of cell suspension, red-filled) from MCF-7 cells stained using mouse IgG2b isotype control (MPC-11) FITC antibody (concentration in sample 10 Î¼g/ml, same as CD187 FITC concentration, black-dashed) in flow cytometry analysis (surface staining) of MCF-7 cell suspension.

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