

Research Grade Anti-Human CD184/CXCR4 Antibody (MEDI3185)

Summary

Catalog No.	DHF39902
Clone ID	MEDI3185
Host species	Human
Species reactivity	Human
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	1 mg/ml
Purity	>95% as determined by SDS-PAGE.
Clonality	Monoclonal
Isotype	IgG1
Applications	Research Grade Biosimilar
Target	Stromal cell-derived factor 1 receptor, LCR1, HM89, LPS-associated protein 3, LAP-3, CXC-R4, CXCR-4, SDF-1 receptor, CD184, NPYRL, LESTR, Fusin, FB22, C-X-C chemokine receptor type 4, CXCR4, Lipopolysaccharide-associated protein 3, Leukocyte-derived seven transmembrane domain receptor
Purification	Protein A/G purified from cell culture supernatant.
Endotoxin level	Please contact with the lab for this information.
Expression system	Mammalian Cells

Recombinant Proteins & Antibodies

Accession P61073**Stability and Storage**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Store at 4°C short term (1-2 weeks). Store at -20°C 12 months. Store at -80°C long term.

Note

For research use only. Not suitable for clinical or therapeutic use.

Description

MEDI3185 has picomolar binding affinity to human CXCR4 and exhibits no significant binding to other chemokine receptors such as CCR4 or CXCR3. In vitro studies demonstrated that MEDI3185 inhibited tumor cell migration, blocked SDF-1 induced tumor cell signaling and induced apoptosis of tumor cells. The MEDI3185 epitope comprises the entire ECL2 sequence, lacks any so-called 'hot-spot' and is remarkably resistant to mutations. The structure of MEDI3185 variable domains was modeled, and suggested a β -strand/ β -strand interaction between MEDI3185 CDR3H and CXCR4 ECL2, resulting in direct steric hindrance with CXCR4 ligand SDF-1.

Data Image



SDS PAGE for MEDI3185

SDS-PAGE