

CXCR4

Research Grade MEDI3185 mAb

Catalog No.	DHF39902A	Quantity:	100 µg
	DHF39902B		1.0 mg

Alternate Names: C-X-C chemokine receptor type 4, CXC-R4, CD184

Description: Research grade MEDI3185 is a human monoclonal antibody with 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.

UniProt ID (target): P61073

Specificity: Human C-X-C chemokine receptor type 4 (CD184)

Concentration: 1.0 mg/ml, lot specific

Isotype: Human IgG1

Formulation: 0.01M PBS, pH 7.4

Purity: > 95% by SDS-PAGE

Endotoxin Level: ≤ 0.01 EU/ μ g by LAL analysis

Purification: Protein A/G affinity chromatography

Applications: Functional studies

Storage & Stability: Store at 2-8°C for up to 1 week, or in working aliquots at -20°C to -80°C for up to 1 year. **Avoid freeze/thaw cycles.**

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