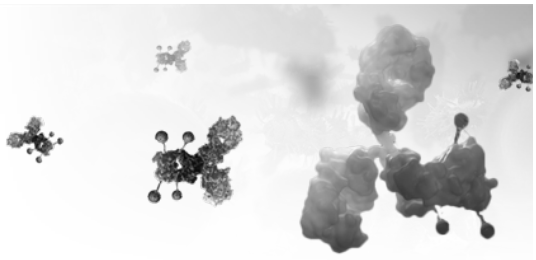

Magic™ Anti-CCR5 (Phospho S337) monoclonal antibody, clone V14/2 (CABT-47235MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product is specific for human CD195, a cell surface antigen of approximately 40kD, also known as CCR5. This antibody has been demonstrated to exclusively recognise CD195 phosphorylated at Ser 337, see Pollok-Kopp. Human CD195 is a member of the G protein coupled superfamily of receptors, which acts as a receptor for a number of chemokines including RANTES and also serves as a co-receptor for the entry of HIV into cells. It plays a key role in regulating the activation and migration of leukocytes. CD195 is expressed by a subset of T lymphocytes and by monocytes. Recent studies have shown that upon ligand stimulation, CD195 is rapidly phosphorylated within the C-terminal domain. recognises a band of approximately 40kD on Western blots of RBL-CCR5 cell lysates.
Specificity	CD195
Target	CCR5
Immunogen	Synthetic phospho peptide corresponding to the C-Terminal region of human CD195 conjugated to BSA.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	V14/2
Conjugate	Unconjugated
Applications	ELISA; FC; IF; WB

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Format	Purified IgG - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	Store at +4°C or at -20°C if preferred. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CCR5 chemokine (C-C motif) receptor 5 (gene/pseudogene) [Homo sapiens (human)]
Official Symbol	CCR5
Synonyms	CCR5; chemokine (C-C motif) receptor 5 (gene/pseudogene); CKR5; CCR-5; CD195; CKR-5; CCCKR5; CMKBR5; IDDM22; CC-CKR-5; C-C chemokine receptor type 5; chemr13; HIV-1 fusion coreceptor; chemokine receptor CCR5; C-C motif chemokine receptor 5 A159A; CD195;
Entrez Gene ID	1234
Protein Refseq	NP_000570
UniProt ID	P51681
Chromosome Location	3p21.31
Pathway	Binding and entry of HIV virion; Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; Early Phase of HIV Life Cycle;
Function	C-C chemokine binding; C-C chemokine receptor activity; actin binding; chemokine (C-C motif) ligand 5 binding; chemokine receptor activity; coreceptor activity; phosphatidylinositol phospholipase C activity; protein binding;

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