

## Anti-CCR5 [ST6] Standard Size Ab01124-1.1

This chimeric mouse antibody was made using the variable domain sequences of the original Rabbit IgG format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** ST6

**Alternative Name(s) of Target:** CD195; C-C chemokine receptor type 5; C-C CKR-5; CC-CKR-5; CCR-5; CHEMR13; HIV-1 fusion coreceptor; B8LFP0

**UniProt Accession Number of Target Protein:** P51681

**Published Application(s):** depleting, SPR, ELISA, FC

**Published Species Reactivity:** rhesus macaque, Human

**Immunogen:** This antibody was isolated from a phage displayed antibody fragment library. The library was generated from a New Zealand White rabbit immunised with purified CCR5-N-GST protein, and four rounds of panning were completed against immobilised CCR5-N-MBP antigen.

**Specificity:** This antibody is specific for the YTSE region of the N-terminal extracellular domain of human CCR5. It also binds to rhesus CCR5.

**Application Notes:** When expressed intracellularly, this antibody is able to inhibit the surface expression of human CCR5, conferring T-lymphocytes with immunity to CCR5-dependent HIV-1 infection (Steinberger et al, 2000). Humanised ST6 (ST6/34) also has the same depleting effect (Steinberger et al, 2000). The high affinity of this antibody for CCR5-N-MBP has been confirmed in surface plasmon resonance analysis (Steinberg et al, 2000). This antibody has been used to stain CCR5-expressing cells in flow cytometry, with no staining of control cells observed (Steinberger et al, 2000).

**Antibody First Published in:** Steinberger et al. Generation and Characterization of a Recombinant Human CCR5-specific Antibody: A PHAGE DISPLAY APPROACH FOR RABBIT ANTIBODY HUMANIZATION J Biol Chem. 2000 Nov 17;275(46):36073-8. [PMID:10969070](#)

**Note on publication:** Describes the generation of this antibody by phage display, and its use in FC and ELISA.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.