

Anti-H_CCR8 hlgG1 Antibody(Defucosylated,BMS-986340)

Product information

GM-53822AB-100	100 µg
GM-53822AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	Defucosylated,BMS-986340
Source/Isotype	Monoclonal Human IgG1
Application	Flow Cytometry; Bioassay
Specificity	Detects CCR8
Gene	CCR8
Other Names	CY6; TER1; CCR-8; CKRL1; CDw1 98; CMKBR8; GPRCY6; CMKBRL2; CC-CKR-8
Gene ID	1237
Background	CCR8, also known as ChemR1, TER1, and CKR-L1, belongs to the beta chemokine receptor family. It is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. CCR8 is expressed on some subsets of T cells, monocytes, macrophages, eosinophils, thymocytes, Langerhans cells, neurons, and vascular smooth muscle cells. Binding with its ligand CCL1, CCR8 plays a role in the regulation of monocyte chemotaxis and thymic cell apoptosis. It has been reported that CCR8 is also a receptor for CCL18. CCR8 is also believed to be an alternative coreceptor to CD4 for HIV-1 infection.
Storage	Store at 2-8°C short term (1-2 weeks). Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow cytometry

H_CCR8 HEK-293 Cell Line (Catalog # GM-C15638) was stained with Anti-H_CCR8 hIgG1 Antibody(Defucosylated,BMS-986340)(Catalog # GM-53822AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

Binding to H_CCR8 HEK293 Cell Line

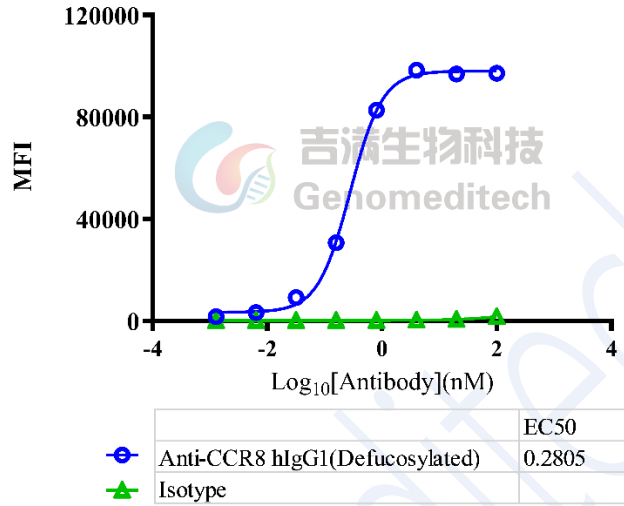


Fig 1. FACS

Flow cytometry

H_CCR8 Jurkat Cell Line (Catalog # GM-C15568) was stained with Anti-H_CCR8 hIgG1 Antibody(Defucosylated,BMS-986340)(Catalog # GM-53822AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

Binding to H_CCR8 Jurkat Cell Line

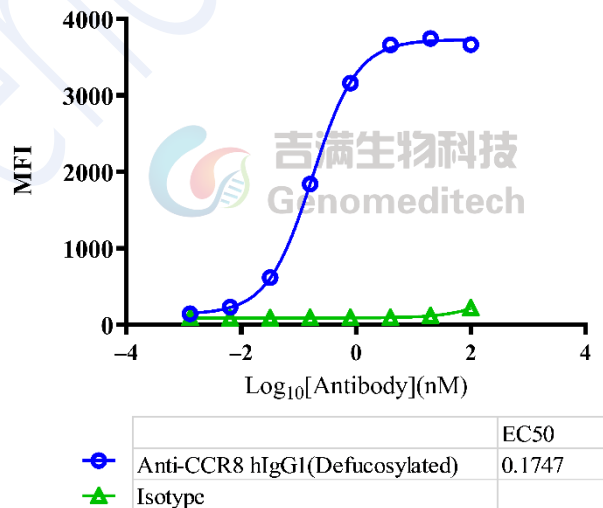


Fig 2. FACS

Bioassay-Tango

Anti-H_CCR8 hIgG1 Antibody(Defucosylated,BMS-986340)(Catalog # GM-53822AB) inhibits Tango-H_CCR8-CHO-K1 Cell Line (Catalog # GM-C13190) Luminescence induced by Recombinant Human CCL1/I-309 Protein. IC50 for this effect is 0.3379 nM.

CCR8 Tango Assay

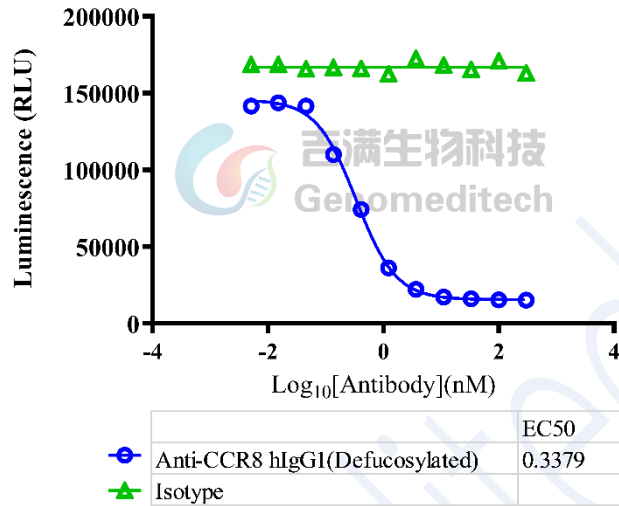


Fig 3. Assay

Bioassay-ADCC

Antibody-dependent cell-mediated cytotoxicity of Anti-H_CCR8 hIgG1 Antibody(Defucosylated) (Catalog # GM-53822AB). Assay was performed using H_CCR8 Jurkat Cell Line (Catalog # GM-C15568) along with ADCC Effector Cell Line.

ADCC of Anti-CCR8 targeting H_CCR8 Jurkat Cell Line

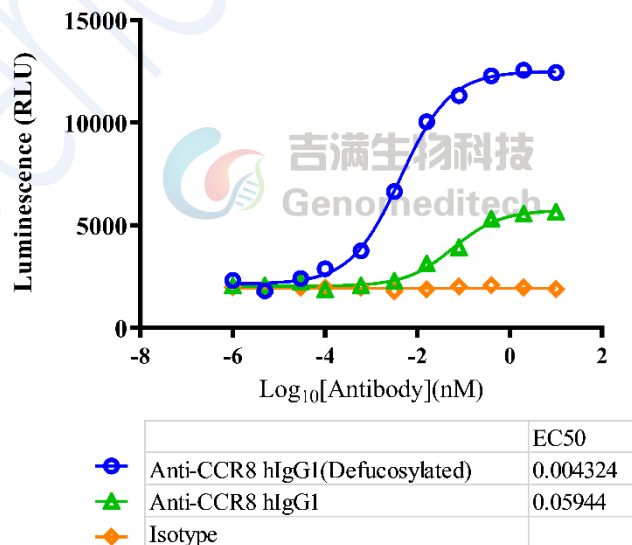


Fig 4. ADCC