

Anti-H_CCR8 hlgG1 Reference Antibody, Defucosylation (BMS-986340)

Product Information

Product Name Anti-H_CCR8 hlgG1 Reference Antibody, Defucosylation (BMS-986340)
Storage temp. Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.

Catalog# / Size **GM-53822MAB-1mg / 1 mg**
GM-53822MAB-5mg / 5 mg
GM-53822MAB-25mg / 5 mg*5 vials
GM-53822MAB-50mg / 50 mg
GM-53822MAB-100mg / 50 mg*2 vials

Antibody Information

Expression System CHO
Aggregation < 5% as determined by SEC-HPLC
Purity > 95% as determined by SDS-PAGE
Species Reactivity Human
Clone Defucosylated,BMS-986340
Source/Isotype Monoclonal Human IgG1
Application Flow Cytometry; Bioassay; Bioactivity-ELISA
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 $\leq -20^{\circ}\text{C}$ long term.Avoid repeated freeze-thaw.
Formulation Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin < 1 EU/mg, determined by LAL gel clotting assay

Version:3.4

Data Examples

Flow cytometry

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

Binding to H_CCR8 HEK293 Cell Line

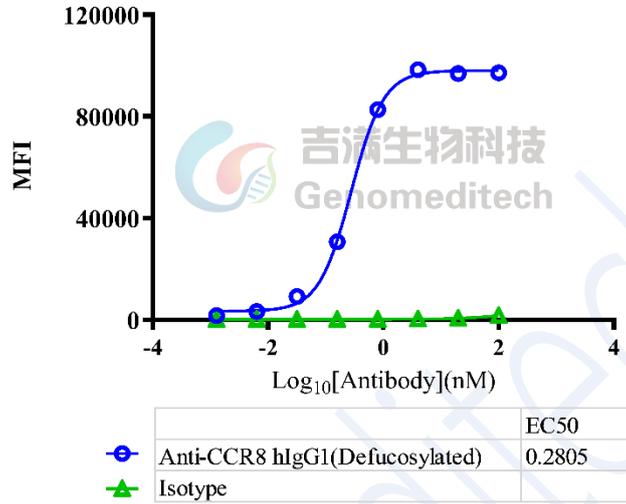


Fig 1. FACS

Flow cytometry

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

Binding to H_CCR8 Jurkat Cell Line

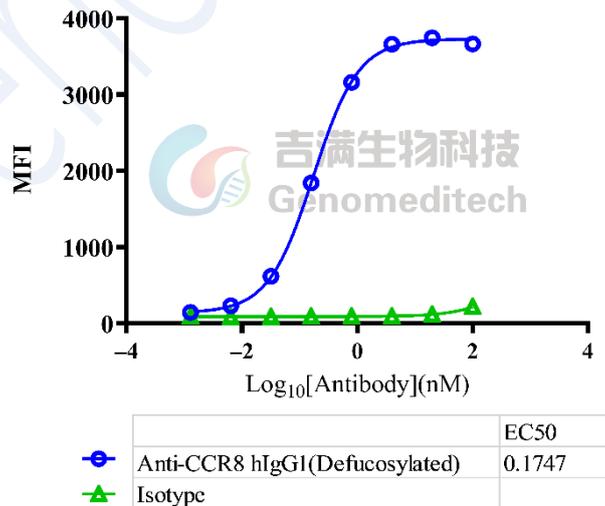


Fig 2. FACS

Bioassay-Tango

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

CCR8 Tango Assay

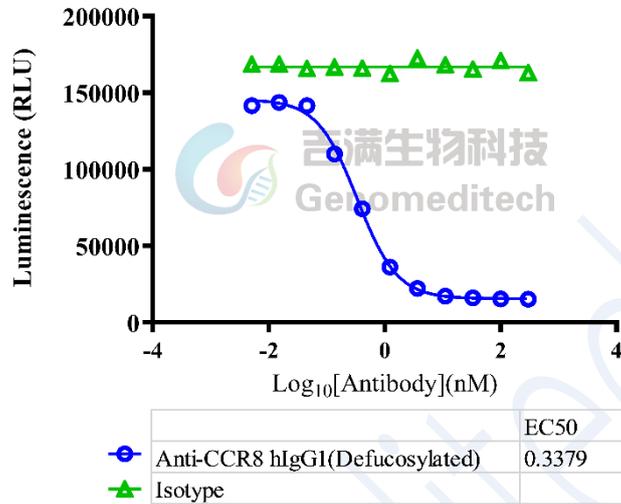


Fig 3. Assay

Bioassay-ADCC

Antibody-dependent cell-mediated cytotoxicity of Anti-H_CCR8 hIgG1 Antibody(Defucosylated) (Catalog # GM-53822MAB). 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

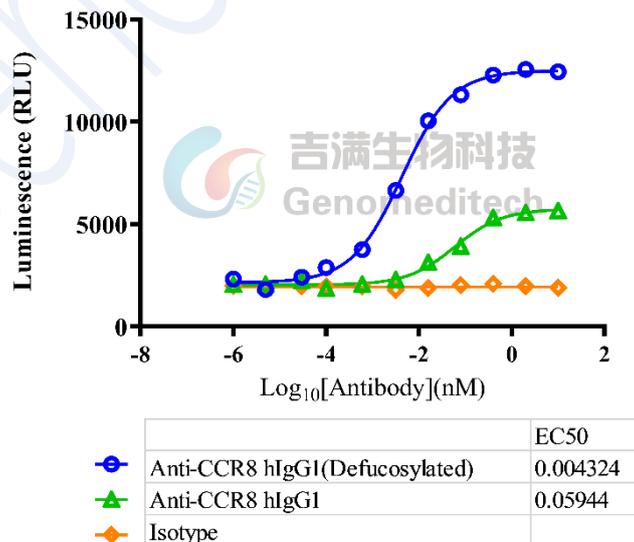


Fig 4. ADCC

Bioactivity-ELISA

Human CCR8-N1-35 Protein; mFc Tag (Catalog # GM-53980RP) was immobilized at 1 $\mu\text{g/ml}$ (100 $\mu\text{L/well}$). Increasing concentrations of Anti-H_CCR8 hIgG1 Reference Antibody, Defucosylation (BMS-986340) (Catalog # GM-53822MAB) were added.

Human CCR8-N1-35 Protein; mFc Tag, ELISA
0.1 μg Human CCR8-N1-35 Protein; mFc Tag of per well

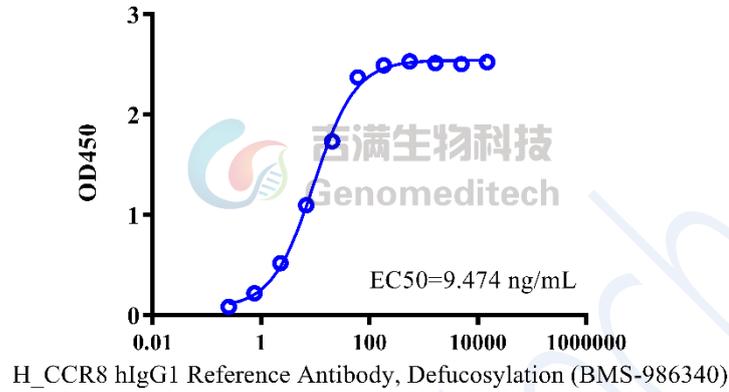


Fig. Assay