PRODUCT INFORMATION

Clone ID	DMC465
Target	CCR1
Synonyms	CD191; CKR-1; CKR1; CMKBR1; HM145; MIP1aR; SCYAR1
Host Species	Rabbit
Description	Anti-CCR1 antibody(DMC465); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P32246
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	Flow Cyt; WB
Recommended Dilutions	Flow Cyt 1:100; WB 1:1000
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a member of the beta chemokine receptor family; which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The ligands of this receptor include macrophage inflammatory protein 1 alpha (MIP-1 alpha); regulated on activation normal T expressed and secreted protein (RANTES); monocyte chemoattractant protein 3 (MCP-3); and myeloid progenitor inhibitory factor-1 (MPIF-1). Chemokines and their receptors mediated signal transduction are critical for the recruitment of effector immune cells to the site of inflammation. Knockout studies of the mouse homolog suggested the roles of this gene in host protection from inflammatory response; and susceptibility to virus and parasite. This gene and other chemokine receptor genes; including CCR2; CCRL2; CCR3; CCR5 and CCXCR1; are found to form a gene cluster on chromosome 3p. [provided by RefSeq; Jul 2008]
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement.

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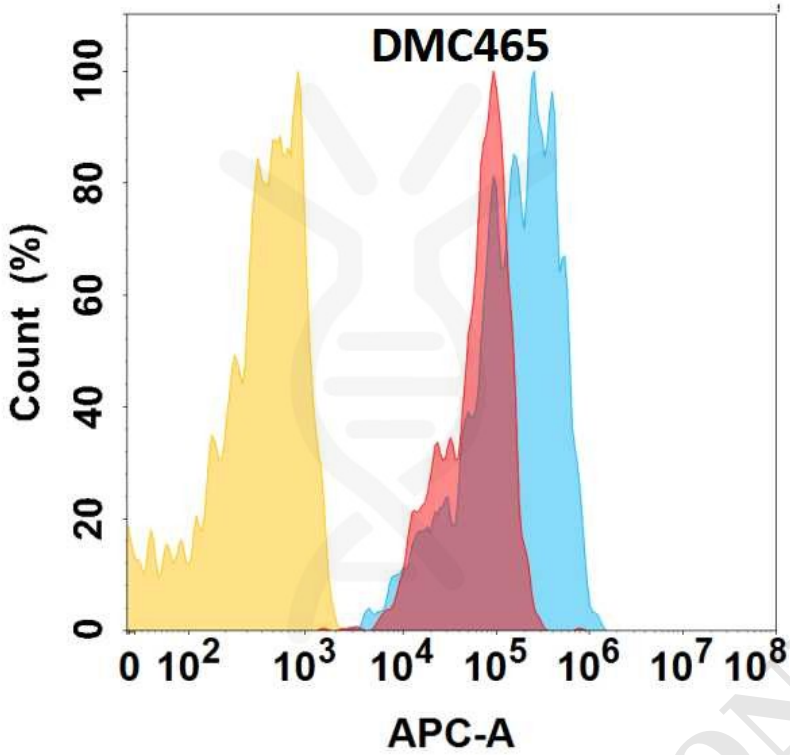

Figure 1. CCR1 protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-CCR1 (DMC465) on HEK293 cells transfected with human CCR1 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein (Orange histogram).

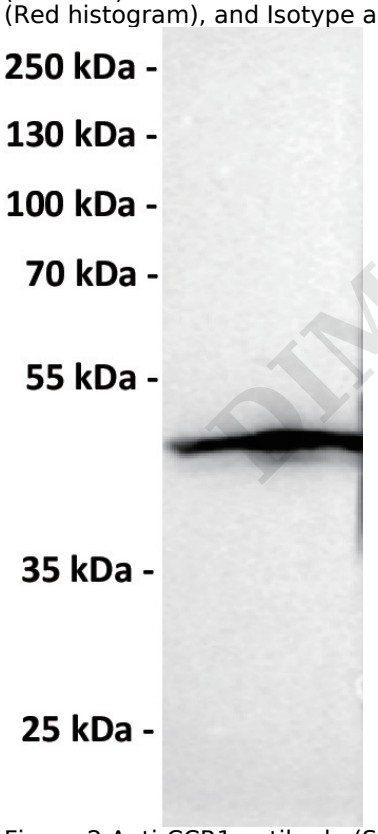

Figure 2.Anti-CCR1 antibody (SKU# DMC100465) at 1/1000 dilution

Lane : Hela, whole cell lysate

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Secondary : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution

Predicted band size: 41 kDa
Observed band size: 50 kDa

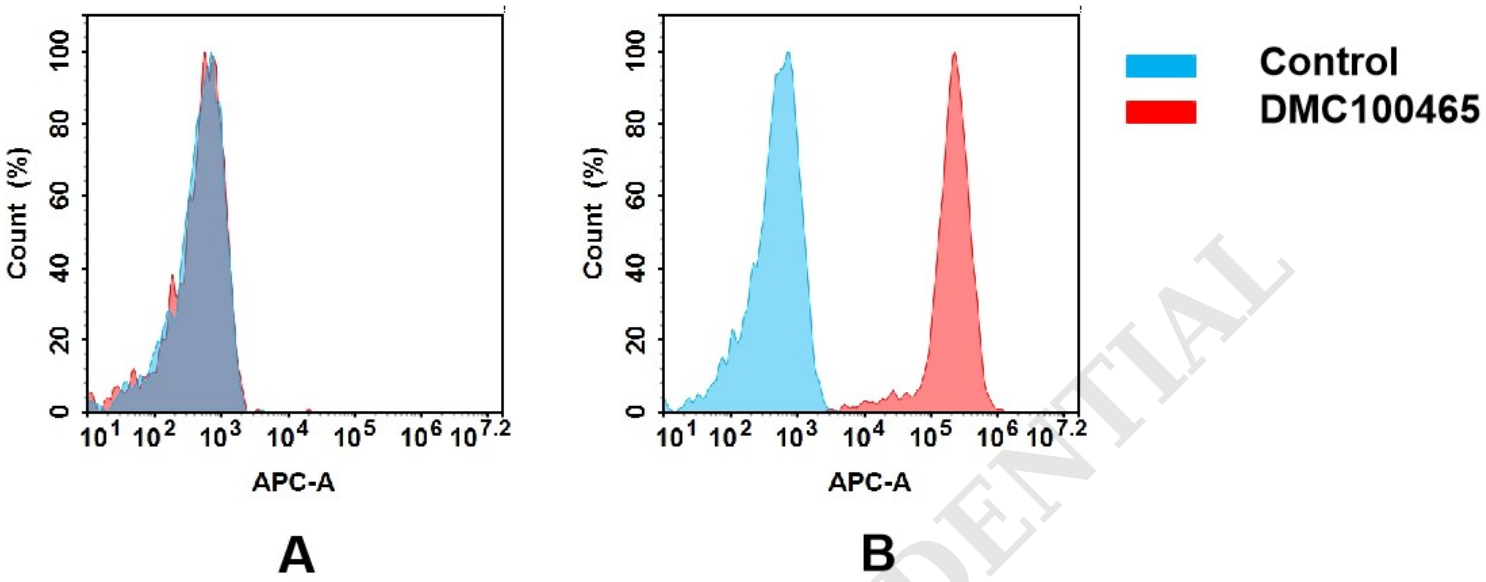

Figure 3. Flow cytometry analysis of antigen binding of anti-human CCR1 mAb(DMC100465).
(A) DMC100465 does not bind to CHO-S cells that do not express CCR1.
(B) A clear peak shift of DMC100465 was seen compared to the control when incubated with CCR1-expressing 8226 cells, indicating strong binding of DMC100465 to CCR1. Antibodies were incubated at 5 μg/ml.

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