

## PRODUCT INFORMATION

<b>Clone ID</b>	DMC681
<b>Target</b>	CXCR2
<b>Synonyms</b>	CD182; CDw128b; CMKAR2; IL8R2; IL8RA; IL8RB
<b>Host Species</b>	Rabbit
<b>Description</b>	PE-conjugated Anti-CXCR2 antibody(DMC681); IgG1 Chimeric mAb
<b>Delivery</b>	Under Development
<b>Uniprot ID</b>	P25025; Q53PC4
<b>IgG type</b>	Rabbit/Human Fc chimeric IgG1
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	Liquid□PBS with 0.05% Proclin300, 1% BSA
<b>Storage &amp; Shipping</b>	Store at 2°C-8°C for 6 months

**Background**

The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity; and transduces the signal through a G-protein activated second messenger system. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1:MGSA); a protein with melanoma growth stimulating activity; and has been shown to be a major component required for serum-dependent melanoma cell growth. This receptor mediates neutrophil migration to sites of inflammation. The angiogenic effects of IL8 in intestinal microvascular endothelial cells are found to be mediated by this receptor. Knockout studies in mice suggested that this receptor controls the positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. This gene; IL8RA; a gene encoding another high affinity IL8 receptor; as well as IL8RBP; a pseudogene of IL8RB; form a gene cluster in a region mapped to chromosome 2q33-q36. Alternatively spliced variants; encoding the same protein; have been identified. [provided by RefSeq; Nov 2009]

**Usage** Research use only

**Conjugate** PE-conjugated

**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.

