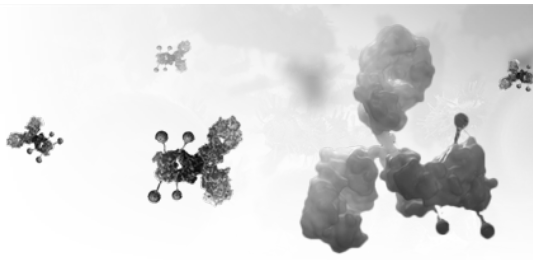

Mouse Anti-Human CXCR2 Monoclonal Antibody, clone 48311.211 (CABT-L631M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The antibody will neutralize human cell surface CXCR-2 mediated-myloperoxidase release from human granulocytes induced by GROalpha. It will not block myeloperoxidase release induced by IL-8.
Specificity	The antibody reacts with human CXCR-2 transfectant cells and not the parent cell line. The antibody shows no cross-reactivity with CXCR-1.
Immunogen	Human CXCR2 transfected NSO mouse myeloma cells.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	48311.211
Purification	Protein G purified
Conjugate	Unconjugated
Applications	FC, BL, Neut Recommended dilution: FC: 1:10-1:1000
Reconstitution	Reconstitute with 1.0 ml of 0.2 um-filtered PBS to a final concentration of 0.5 mg/ml.
Cellular Localization	Integral membrane protein.
Format	Lyophilized

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Size	100 µg
Buffer	10mM Sodium Phosphate (pH 7.6), 0.25M NaCl and 15 mg/ml BSA.
Preservative	0.05% Sodium Azide
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	CXCR2;chemokine (C-X-C motif) receptor 2;IL8RB, interleukin 8 receptor, beta;C-X-C chemokine receptor type 2;CD182;CMKAR2

GENE INFORMATION

Gene Name	CXCR2
Entrez Gene ID	3579
UniProt ID	P25025

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