

## CXCR1, Clone 501, Human mAb

<b>Catalog No.</b>	CMC202	<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1.0 mg/ml		
<b>Specificity:</b>	CXCR1 and CXCR2, previously known as IL-8RA or type I IL-8 receptor, and IL-8RB or type II IL-8 receptor, respectively, have been shown to share approximately 77% amino acid sequence identity. IL-8 binds to both receptors with high affinity and induces rapid elevation of cytosolic Ca <sup>2+</sup> levels. While IL-8 and GCP2 have been shown to exert their biological activity by binding to both receptors, GRO alpha, GRO beta, GRO gamma, NAP-2 and ENA-78 bind only to CXCR2. CXCR1 and CXCR2 are expressed on neutrophils and mast cells, but not on B or T lymphocytes.		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	14 amino acid peptide corresponding to aa 5-19 at the N-terminus of human CXCR1		
<b>Isotype:</b>	IgG <sub>1</sub>		
<b>Clone:</b>	Clone 501		
<b>Formulation:</b>	Sterile filtered liquid in PBS, pH 7.2.		
<b>Purification:</b>	Purified from ascites by Protein G chromatography		
<b>Cross-Reactivity:</b>	In cells transfected with either CXCR1 or CXCR2, clone 501 showed no cross-reactivity with CXCR2.		
<b>Storage &amp; Stability:</b>	Store at 2-4°C for up to one month. For long term storage, aliquot and store at -20°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Applications:</b>	Flow cytometry on isolated human neutrophils and on cells transfected with CXCR1: working dilution of 0.125-0.25 µg per 10 <sup>6</sup> cells. Western blot ELISA Immunohistochemistry Incubation of human neutrophils with 1.0-4.0 µg/ml of clone 501 completely blocks IL-8 mediated chemotaxis. The optimal concentration should be determined by the user for each specific application.		
<b>Positive Control:</b>	Human isolated neutrophils		

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