

## Anti-CXCL12 Neutralizing Antibody (V3S-0622-YC4398)

Cat. No.: V3S-0622-YC4398

### Summary

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<b>Description</b>	<p>This product is a human monoclonal antibody that reacts with CXCL12. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation.</p> <p>Specifically, the antibody is provided in multiple formats for <i>in vivo</i> and <i>in vitro</i> assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (&lt;1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.</p>
<b>Clonality</b>	Monoclonal
<b>Host Species</b>	Human
<b>Target Species</b>	Human
<b>Immunogen</b>	Recombinant SDF-1 $\alpha$
<b>Isotype</b>	IgG
<b>Isotype Control</b>	C34555
<b>Secondary Antibody</b>	C32400; C75370; C10513; C51635; C45530

### Property

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<b>Expression Species</b>	HEK293F or CHO
<b>Conjugation</b>	None
<b>Purity</b>	>95%, determined by SDS-PAGE and/or SEC-HPLC
<b>Endotoxin</b>	<1 EU/mg, determined by LAL method
<b>Purification</b>	Protein A affinity purified
<b>Sterility</b>	0.2 $\mu$ M filtered
<b>Formulation</b>	PBS, pH 7.4
<b>Preservation</b>	No preservatives
<b>Stabilizer</b>	No stabilizers
<b>Storage</b>	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

## Applications

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<b>Application</b>	Block; WB; ELISA
<b>Application Notes</b>	The antibody is recommended for detection of CXCL12 by Block, WB, ELISA assays.

## Target

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<b>Target</b>	CXCL12
<b>Alternative Name</b>	CXCL12; chemokine (C-X-C motif) ligand 12; IRH; PBSF; SDF1; TLSF; TPAR1; SCYB12; stromal cell-derived factor 1; intercrine reduced in hepatomas; pre-B cell growth-stimulating factor; anti-SDF-1
<b>Gene ID</b>	<a href="#">6387</a>
<b>UniProt</b>	<a href="#">P48061</a>
<b>Introduction</b>	CXCL12 (C-X-C Motif Chemokine Ligand 12) is a Protein Coding gene. Diseases associated with CXCL12 include Human Immunodeficiency Virus Type 1 and Aids Dementia Complex. Among its related pathways are Apoptotic Pathways in Synovial Fibroblasts and PAK Pathway. Gene Ontology (GO) annotations related to this gene include receptor binding and chemokine activity.
<b>Related pathway</b>	Apoptotic Pathways in Synovial Fibroblasts; PAK Pathway
<b>Research Area</b>	Immunology; Cardiovascular

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