Anti-CXCL12 Neutralizing Antibody (V3S-0622-YC4402)

Cat. No.: V3S-0622-YC4402

Summary

Description	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. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The *In vivo* version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Human
Target Species	Human, Mouse
Immunogen	Human chemokine (C-X-C motif) ligand 12
Isotype	IgG1
Isotype Control	C67002; C43061
Secondary Antibody	C32400; C75370; C10513; C51635; C45530

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 μM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4^{0}C within a week. For longer storage, aliquot and store at -20^{0}C.

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-biolabs.com
Tel: 1-631-381-2994 Fax: 1-631-207-8356

Applications

Application	WB; ELISA; Neut; FC
Application Notes	The antibody is recommended for detection of CXCL12 by WB, ELISA, Neut, FC assays.

Target

Target	CXCL12
Alternative Name	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
Gene ID	6387
UniProt	P48061
Introduction	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.
Related pathway	Apoptotic Pathways in Synovial Fibroblasts; PAK Pathway
Research Area	Immunology; Cardiovascular

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-biolabs.com
Tel: 1-631-381-2994 Fax: 1-631-207-8356