Hamster Anti-CXCL12 Neutralizing Antibody (V3S-0622-YC4401)

Cat. No.: V3S-0622-YC4401

Summary

Description	This product is a monoclonal antibody derived from hamster, which can specifically recognize 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-PAG E 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 E U/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Hamster
Target Species	Human, Mouse
Isotype	IgG
Isotype Control	C21576
Secondary Antibody	C12125; C50665

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.

Applications

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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

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