

Datasheet for ABIN289538 **anti-CXCL12 antibody**

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Overview

Quantity:	50 µg
Target:	CXCL12
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This CXCL12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Blocking Antibody (Inhibition)

Product Details

Immunogen:	SDF1 alpha antibody was raised in goat using highly pure recombinant murine SDF-1 alpha as the immunogen.
Purification:	Purified

Target Details

Target:	CXCL12
Alternative Name:	SDF1 alpha (CXCL12 Products)
Background:	SDF-1 alpha and beta are stromal derived CXC chemokines, and signal through the CXCR4 receptor. SDF-1alpha and beta chemoattract B and T cells, and have been shown to induce migration of CD34+ stem cells. Additionally, the SDF-1 proteins exert HIV suppressive activity in cells expressing the CXCR4 receptor.
Molecular Weight:	7.9 kDa (predicted detection band MW)

Target Details

Pathways:	Regulation of Cell Size , CXCR4-mediated Signaling Events , Negative Regulation of intrinsic apoptotic Signaling
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Application Details

Application Notes:	ELISA: 0.5-2 µg/mL, Inhibition: 2.5-3.5 µg/mL, WB: 0.1-0.2 µg/mL Optimal conditions should be determined by the investigator.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Reconstitute in sterile water to a concentration of > 0.2 mg/mL.
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Concentration:	Lot specific
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Buffer:	Lyophilized from 0.5 x PBS, pH 7.4.
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Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
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Storage:	4 °C/-20 °C
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Storage Comment:	Store at -20 °C until reconstitution. Following reconstitution product may be stored at 4 °C in the short term. For long term storage aliquot and freeze at -20 °C.
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