

Datasheet for ABIN5689108 **anti-CXCL12 antibody**



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Overview

Quantity:	0.1 mg
Target:	CXCL12
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXCL12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Neutralization (Neut)

Product Details

Immunogen:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hSDF-1-alpha (human Stromal Cell-Derived Factor-1-alpha).
Purification:	Anti-hSDF-1-alpha specific antibody was purified by affinity chromatography employing immobilized hSDF-1-alpha matrix.

Target Details

Target:	CXCL12
Alternative Name:	SDF-1a (CXCL12 Products)
Gene ID:	6387
UniProt:	P48061
Pathways:	Regulation of Cell Size , CXCR4-mediated Signaling Events , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:

Neutralization:

To yield one-half maximal inhibition [ND50] of the biological activity of hSDF1 α , (100 ng/mL), a concentration of 2-4 μ g/mL of this antibody is required.

ELISA:

To detect hSDF-1-alpha by direct ELISA (using 100 μ L/well antibody solution) a concentration of at least 0.5 μ g/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hSDF-1-alpha.

Sandwich:

To detect hSDF-1 α , by sandwich ELISA (using 100 μ L/well antibody solution) a concentration of 0.5 - 2.0 μ g/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with our Biotinylated Anti-Human SDF-1 α , (XP-5269Bt) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hSDF-1 α .

Western Blot:

To detect hSDF-1-alpha by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 μ g/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hSDF-1-alpha is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Restrictions:

For Research Use only

Handling

Format:

Lyophilized

Storage:

-20 °C

Storage Comment:

SDF-1a antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles.