

CXCL12 alpha (SDF-1 alpha) Polyclonal Antibody, Biotin, PeptoTech®

Product Details

Size	2 x 500 µg
Species Reactivity	Human
Published Species	Bovine, Human
Host/Isotype	Rabbit
Class	Polyclonal
Type	Antibody
Conjugate	Biotin
Immunogen	E.coli-derived, 8.0 kDa Recombinant Human SDF-1alpha (CXCL12)
Form	Lyophilized
Concentration	0.1-1.0 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	no preservative
Storage conditions	-20°C

Applications

Tested Dilution

Publications

Western Blot (WB)	0.1-0.2 µg/mL	1 Publication
ELISA (ELISA)	0.25-1.0 µg/mL	2 Publications

Product Specific Information

AA Sequence of recombinant protein: KPVSLSYRCP CRFFESHVAR ANVKHLKILN TPNCALQIVA RLKNNNRQVC IDPKLKWIQE YLEKALNK.

Preparation: Produced from sera of rabbits immunized with highly pure Recombinant Human SDF-1alpha (CXCL12). Anti-Human SDF-1alpha (CXCL12)-specific antibody was purified by affinity chromatography and then biotinylated.

Sandwich ELISA: To detect Human SDF-1alpha by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.25-1.0 µg/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with PeptoTech Polyclonal Anti-Human SDF-1alpha (500-P87A) as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of Recombinant Human SDF-1alpha.

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

500-P87ABT-1MG will be provided as 2 x 500 µg



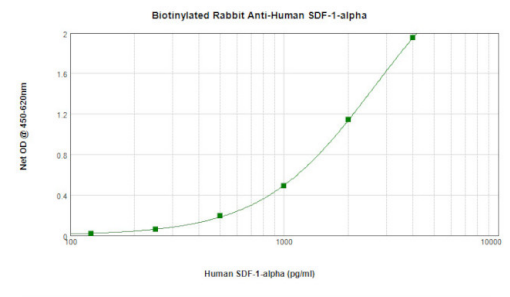
CXCL12 alpha (SDF-1 alpha) Antibody (500-P87ABT-1MG) in WB

Western Blot: To detect Human SDF-1alpha by Western Blot analysis CXCL12 alpha (SDF-1 alpha) Polyclonal Antibody, Biotin (Product # 500-P87ABT-1MG) can be used at a concentration of 0.1-0.2 µg/mL. When used in conjunction with compatible secondary reagents, the detection limit for Recombinant Human SDF-1alpha is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.



CXCL12 alpha (SDF-1 alpha) Antibody (500-P87ABT-1MG) in WB

Western Blot: To detect Human SDF-1alpha by Western Blot analysis CXCL12 alpha (SDF-1 alpha) Polyclonal Antibody, Biotin (Product # 500-P87ABT-1MG) can be used at a concentration of 0.1-0.2 µg/mL. When used in conjunction with compatible secondary reagents, the detection limit for Recombinant Human SDF-1alpha is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.



CXCL12 alpha (SDF-1 alpha) Antibody (500-P87ABT-1MG) in ELISA

Sandwich ELISA: To detect Human SDF-1alpha by sandwich ELISA (using 100 µL/well antibody solution) a concentration of 0.25-1.0 µg/mL of CXCL12 alpha (SDF-1 alpha) Polyclonal Antibody, Biotin (Product # 500-P87ABT-1MG) is required. This biotinylated polyclonal antibody, in conjunction with PeproTech CXCL12 alpha (SDF-1 alpha) Polyclonal Antibody (Product # 500-P87A-1MG) as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of Recombinant Human SDF-1alpha.

Western Blot (1)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p>Carcinomas assemble a filamentous CXCL12-keratin-19 coating that suppresses T cell-mediated immune attack.</p> <p>Authors: Wang Z,Moresco P,Yan R,Li J,Gao Y,Biasci D,Yao M,Pearson J,Hechtman JF,Janowitz T,Zaidi RM,Weiss MJ, Fearon DT</p>	<p>Year 2022</p> <p>Species Bovine</p>
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ELISA (2)

<p>Journal of leukocyte biology</p> <p>Chemokine axes in breast cancer: factors of the tumor microenvironment reshape the CCR7-driven metastatic spread of luminal-A breast tumors.</p> <p>"500-P87ABt was used in Enzyme-linked immunosorbent assay to study the importance of chemokine axes in regulating the metastatic spread of breast cancer."</p> <p>Authors: Weitzenfeld P,Kossover O,Körner C,Meshel T,Wiemann S,Seliktar D,Legler DF,Ben-Baruch A</p>	<p>Year 2016</p>
<p>Blood</p> <p>The chemokine CXCL12 regulates monocyte-macrophage differentiation and RUNX3 expression.</p> <p>Authors: Sánchez-Martín L,Estecha A,Samaniego R,Sánchez-Ramón S,Vega MÁ,Sánchez-Mateos P</p>	<p>Year 2011</p> <p>Species Human</p>

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