

Datasheet for 600-401-AR3**CXCL12 Antibody****Overview**

Description:	Anti-CXCL12 (RABBIT) Antibody - 600-401-AR3
Item No.:	600-401-AR3
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The CXCL12 protein, also known as SDF1, is a stromal cell-derived alpha chemokine member of the intercrine family. CXCL12 functions as the ligand for the G-protein coupled receptor, chemokine (C-X-C motif) receptor 4 (CXCR4) and CXCR7, and plays a role in many diverse cellular functions, including embryogenesis, immune surveillance, inflammation response, tissue homeostasis, and tumor growth and metastasis (reviewed in 1). Mutations in this gene are associated with resistance to human immunodeficiency virus type 1 infections (2).
Synonyms:	CXCL12 Antibody, IRH, PBSF, SDF1, TLSF, TPAR1, SCYB12, SDF1A, SDF1B, Stromal cell-derived factor 1, C-X-C motif chemokine 12, SDF-1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CXCL12
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-CXCL12 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid peptide near the internal region of human CXCL12

Purity/Specificity:	Anti-CXCL12 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. CXCL12 antibody is human and mouse reactive. Multiple isoforms of CXCL12 are known to exist.
Relevant Links:	• UniProtKB - P48061 • GeneID - 6387 • NCBI - NP_001171605

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-CXCL12 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 11 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

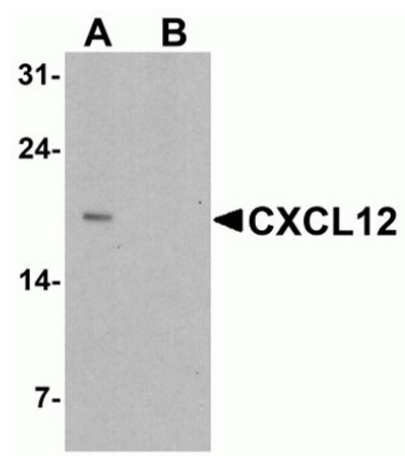
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

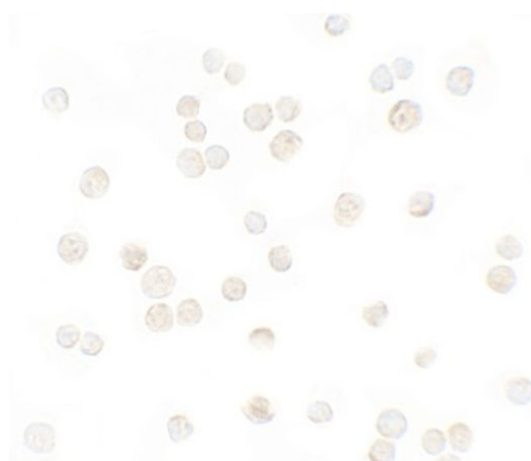


Western Blot

Western blot of CXCL12.

Load: HeLa cell lysate.

Primary Antibody: CXCL12 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry

Immunocytochemistry of CXCL12.

Cell: HeLa cells.

Primary Antibody: CXCL12 antibody at 5 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.