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Datasheet for 600-401-G90

CX3CR1 Antibody

Overview

Description:	Anti-CX3CR1 (RABBIT) Antibody - 600-401-G90
Item No.:	600-401-G90
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	CX3CR1 ANTIBODY detects the extra cellular loop. CX3CR1 is one of the chemokine receptors that are required as coreceptors for HIV infection. The genes encoding human, mouse, and rat CX3CR1 were cloned and designated V28 and CMKBRL1, CX3CR1, and RBS11, respectively. The encoded seven transmembrane protein was recently identified as the receptor for a novel transmembrane molecule, fractalkine, and renamed CX3CR1. Recently, CX3CR1 was found to serve as a coreceptor for HIV-1 and HIV-2 envelope fusion and virus infection, which can be inhibited by fractokine. CX3CR1 mediates leukocyte migration and adhesion. CX3CR1 is expressed in a variety of human tissues and cell lines. Anti-CX3CR1 antibodies are ideal for investigators involved in Infectious disease, Cytokines and Growth Factor research.
Synonyms:	CMKBRL1, GPR13
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CX3CR1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	CX3CR1 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide corresponding to amino acids in a extracellular loop of human CX3CR1. The sequence is identical to that of rat CX3CR1 and differs from that of mouse CX3CR1 by one amino acid.
Purity/Specificity:	Anti-CX3CR1 Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with CX3CR1 with Human based on 100% homology with the immunizing sequence. Cross-reactivity with CX3CR1 from other sources has not been determined.
Relevant Links:	• NCBI - NP_001328 • UniProtKB - P49238 • GeneID - 1524

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-CX3CR1 Antibody is tested for use in E, WB, IF, and IHC. Expect a band approximately ~40.3 kDa on specific lysates. Western Blot, Immunohistochemistry, and Immunofluorescence tested in human samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	20µg/mL
IHC:	10µg/mL
WB:	0.5µg/mL

Formulation

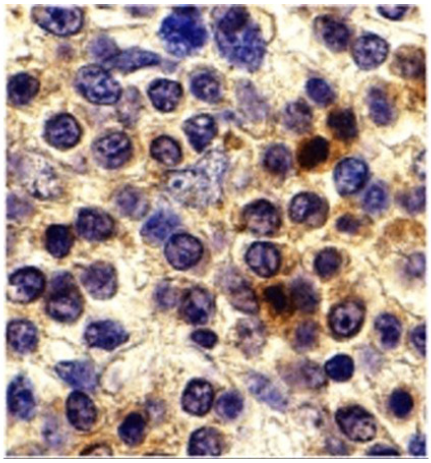
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

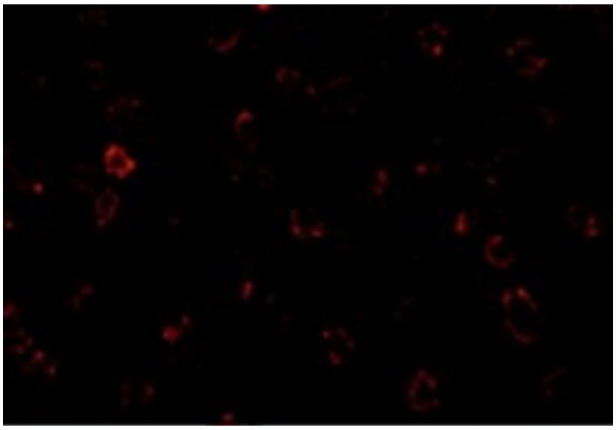
Shipping Condition:	Wet Ice

Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

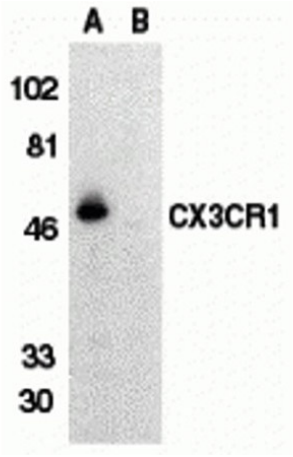
Images



Immunohistochemistry
Immunohistochemistry of CX3CR1.
Cells: human spleen cells.
Primary Antibody: Anti-CX3CR1 antibody at 10 µg/mL.



Immunofluorescence Microscopy
Immunofluorescence of CX3CR1.
Cells: THP-1 cells.
Primary Antibody: Anti-CX3CR1 antibody at 20 µg/mL.



Western Blot
Western blot analysis of CX3CR1.
Load: THP-1 cell lysate.
Primary Antibody: Anti-CX3CR1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.

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.