

Datasheet for 600-401-AG0**CCL4 Antibody****Overview**

Description:	Anti-CCL4 (RABBIT) Antibody - 600-401-AG0
Item No.:	600-401-AG0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	CCL4, also known as macrophage inflammatory protein 1-beta (MIP1B), belongs to the intercrine beta (chemokine CC) family. Both CCL4 and the related protein CCL3 participate in the host response to invading bacterial, viral, parasite and fungal pathogens by regulating the trafficking and activation state of selected subgroups of inflammatory cells. While both CCL4 and CCL3 exert similar effects on monocytes, their effect on lymphocytes differ; with CCL4 selectively attracting CD4+ lymphocytes and CCL3 selectively attracting CD8+ lymphocytes. Additionally, both have been shown to be potent chemoattractants for B cells, eosinophils and dendritic cells. The processed form of CCL4 can induce down-modulation of surface expression of the chemokine receptor CCR5, thus inhibiting the CCR5-mediated entry of HIV-1 in T cells.
Synonyms:	CCL4 Antibody, ACT2, G-26, HC21, LAG1, LAG-1, MIP1B, SCYA2, SCYA4, MIP1B1, AT744.1, MIP-1-beta, C-C motif chemokine 4, G-26 T-lymphocyte-secreted protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CCL4
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti- CCL4 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the internal region of human CCL4.
Purity/Specificity:	Anti-CCL4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with CCL4 from other sources has not been determined.
Relevant Links:	• UniProtKB - P13236 • GeneID - 6351 • NCBI - NP_002975

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-CCL4 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 10 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
IF:	User Optimized
IHC:	User Optimized
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

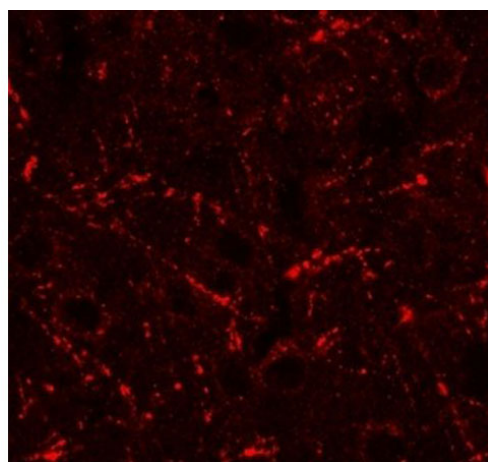
Shipping & Handling

Shipping Condition:	Dry Ice
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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

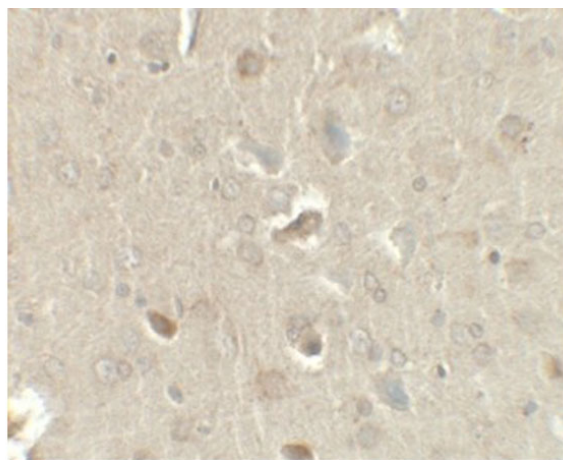


Immunofluorescence Microscopy

Immunofluorescence of CCL4.

Tissue: rat brain tissue.

Primary Antibody: CCL4 antibody at 20 µg/ml.

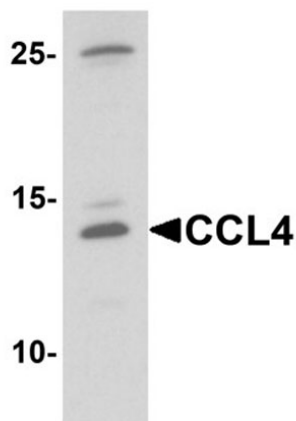


Immunohistochemistry

Immunohistochemistry of CCL4.

Tissue: rat brain tissue.

Primary Antibody: CCL4 antibody at 2.5 µg/ml.

**Western Blot**

Western blot analysis of CCL4.

Load: rat brain tissue lysate.

Primary Antibody: CCL4 antibody at 1 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.