

Datasheet for 600-401-BV1**IL-1F10 Antibody****Overview**

Description:	Anti-IL-1F10 (RABBIT) Antibody - 600-401-BV1
Item No.:	600-401-BV1
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The cytokine IL-1 is responsible for initiating a variety of activities through the activation of transcription factors, NF-kappa B and AP-1, thereby promoting host response to injury or infection (1). IL-1F10 (Interleukin-1 family member 10), also known as FIL1T, IL1HY2 or FKSG75, is highly expressed in the skin, spleen and proliferating B-cells of the tonsil (2). IL-1F10 binds soluble IL-1 receptor type 1, and is one of nine Interleukin 1 families clustered on chromosome 2, where it is thought to participate in the regulation of adapted and innate immune responses (3). IL-1F10 and IL-1RN polymorphisms may play an important role in the susceptibility to developing rheumatoid arthritis (4).
Synonyms:	IL-1F10 Antibody, IL-38, FKSG75, IL1HY2, IL-1HY2, IL1-theta, FIL1-theta, FIL1T, IL38, UNQ6119/PRO20041, Interleukin-1 family member 10, Family of interleukin 1-theta, IL-1F10
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL1F10
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-IL-1F10 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 17 amino acid peptide near the C-terminus of human IL-1F10.

Purity/Specificity:	Anti-IL-1F10 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. IL-1F10 antibody is human, mouse and rat reactive. Two isoforms of IL-1F10 exist.
Relevant Links:	• UniProtKB - Q8WWZ1 • GeneID - 84639 • NCBI - NP_775184

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-IL-1F10 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 17 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
IHC:	5 µg/mL
WB:	1-2 µg/mL

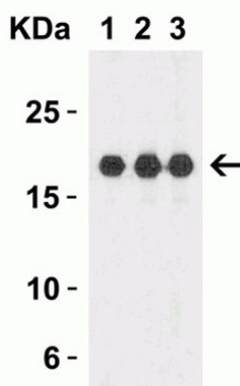
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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



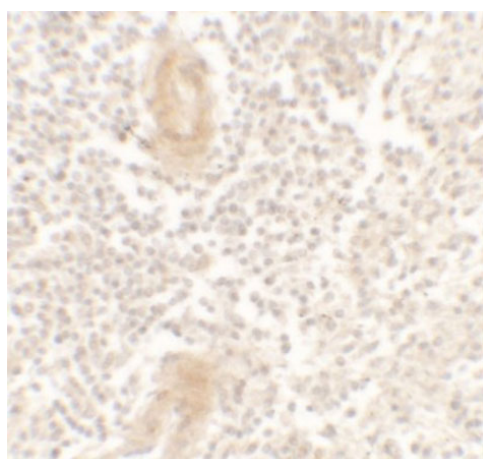
Western Blot

Western Blot of IL-1F10.

Load: 30 ng of human IL-1F10 recombinant protein per lane.

Primary Antibody: IL-1F10 at (Lane 1: 1 μ g/mL, Lane 2: 2 μ g/mL, and Lane 3: 4 μ g/mL) for 1h incubation at RT in 5% NFDM/TBST.

Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry

Immunohistochemistry of IL-1F10.

Tissue: Human Spleen Tissue.

Fixation: paraffin-embedded, fixed with formaldehyde and blocked with 10% serum for 1 h at RT.

Antigen retrieval: heat mediation with a citrate buffer (pH6).

Primary Antibody: anti-IL-1F10 antibody at 5 μ g/ml overnight at 4°C.

Secondary: goat anti-rabbit IgG H&L (HRP) at 1:250 was used as secondary. Counter stained with Hematoxylin.

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.