

Datasheet for ABIN964734

**anti-FIL1d antibody****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	FIL1d
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	<p>This protein-A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a recombinant protein raised in yeast, corresponding to the 155 amino acids of the mature bovine IL-1F5 protein.</p> <p>Immunogen Type: RecombinantProtein</p>
Isotype:	IgG
Specificity:	<p>This product was Protein-A purified from monospecific antiserum by chromatography. This antibody is specific for bovine IL-1F5 protein. A BLAST analysis was used to suggest cross-reactivity with IL-1F5 from dog and mouse sources based on 94% homology with the immunizing sequence. Partial reactivity is expected against horse based on 91% homology, and to human, chimpanzee, macaque, and rat based on 90% homology with the immunizing sequence.</p>
Characteristics:	<p>Interleukin-1F5 is a recently discovered cytokine which was shown to specifically inhibit the activation of NF-kappaB induced by interleukin 1 family, member 6 (IL1F6) in humans. There is very little published regarding the bovine IL1F5 protein. In the human, this gene and eight other</p>

## Product Details

interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Expression of the gene appears to be restricted to various epithelial cell populations. Costelloe et al (2008) have identified SIGIRR [single immunoglobulin domain-containing IL1R-related protein] as a receptor for human IL1F5. Anti-IL-1F5 antibody is ideal for investigators involved in Signal Transduction and Immunology research.

Sterility: Sterile filtered

## Target Details

Target: FIL1d

Alternative Name: IL-1F5 ([FIL1d Products](#))

Background: Interleukin-1F5 is a recently discovered cytokine which was shown to specifically inhibit the activation of NF-kappaB induced by interleukin 1 family, member 6 (IL1F6) in humans. There is very little published regarding the bovine IL1F5 protein. In the human, this gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Expression of the gene appears to be restricted to various epithelial cell populations. Costelloe et al (2008) have identified SIGIRR [single immunoglobulin domain-containing IL1R-related protein] as a receptor for human IL1F5. Anti-IL-1F5 antibody is ideal for investigators involved in Signal Transduction and Immunology research.

Synonyms: Interleukin 1 family, member 5 (Delta) . In humans it is also known as: IL1RP3, IL1H1, IL1H3, MGC29840, FIL1(Delta), IL1F5, IL1F5, IL1L1, Fil1delta, IL1HY1, FIL1D, FIL1, or AI413231.

Gene ID: 518514, 115494990

UniProt: [Q0VC52](#)

## Application Details

Application Notes: This protein-A purified antibody is suitable for ELISA and Western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 17.1 kDa in size corresponding to bovine IL-1F5 protein by western blotting in the appropriate cell lysate or extract.

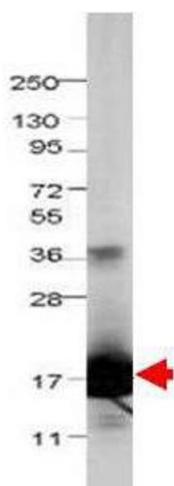
Comment: Gene Name: IL1F5

Restrictions: For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 $\mu$ L
Concentration:	1.0 $\mu$ g/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. 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 date is one (1) year from date of opening.
Expiry Date:	12 months

## Images



### Western Blotting

**Image 1.** Western blot using Protein-A Purified anti-bovine IL-1F5 antibody shows detection of recombinant bovine IL-1F5 at 17.1 kDa (arrowhead) raised in yeast. The identity of the band at 36 kDa is not known. The protein was purified and resolved by SDS-PAGE, then transferred to PVDF membrane. Membrane was blocked with 3% BSA (BSA-30, diluted 1:10), and probed with 1  $\mu$ g/mL primary antibody overnight at 4°C. After washing, membrane was probed with Conjugated Goat Anti-Rabbit IgG for 45 min at room temperature.