

## Datasheet for ABIN5692888 anti-LIF antibody (AA 24-203)



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### Overview

Quantity:	100 µg
Target:	LIF
Binding Specificity:	AA 24-203
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Brand:	Picoband™
Immunogen:	E. coli-derived mouse LIF recombinant protein (Position: S24-F203).
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for LIF detection. Tested with WB, ELISA(Cap) in Human,Mouse,Rat.

### Target Details

Target:	LIF
Alternative Name:	Lif ( <a href="#">LIF Products</a> )
Background:	Synonyms: Leukemia inhibitory factor, LIF, Differentiation-stimulating factor, D factor, Lif

## Target Details

Background: LIF is a pleiotropic cytokine produced at the maternal-fetal interface which has been shown to play an essential role in implantation in mice. This gene is mapped to 22q11-q12.2, between the Philadelphia translocation BCR gene and the breakpoint of the translocation in cell line GM2324 at 22q12.2. LIF is produced in high amounts by the human endometrium and the trophoblast itself, and LIF receptors are present on cytotrophoblast cells. LIF could, thus, play a role in modulating HLA-G production and immune tolerance at the maternal-fetal interface.

UniProt: [P09056](#)

Pathways: [JAK-STAT Signaling](#), [Positive Regulation of Peptide Hormone Secretion](#), [Negative Regulation of Hormone Secretion](#), [Stem Cell Maintenance](#), [Growth Factor Binding](#)

## Application Details

Application Notes: Recommended Detection Systems: Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot.  
Application Details: Western blot, 0.1-0.5 µg/mL  
ELISA(Cap), 1-5 µg/mL

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg NaN<sub>3</sub>.

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: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Product cited in: Nombela, Requena-Platek, Morales-Lange, Chico, Puente-Marin, Ciordia, Mena, Coll, Perez, Mercado, Ortega-Villaizan: "Rainbow Trout Red Blood Cells Exposed to Viral Hemorrhagic Septicemia Virus Up-Regulate Antigen-Processing Mechanisms and MHC I&II, CD86, and CD83 Antigen-presenting Cell Markers." in: **Cells**, Vol. 8, Issue 5, (2019) ([PubMed](#)).

Images

