

Recombinant Pig IL-1 beta protein (rFc Tag)

Catalog Number: Eg4869

Basic Information	Species: Pig	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ µg protein, LAL method

Source:
HEK293-derived Pig IL-1 beta protein Ala115-Pro267 (Accession# P26889) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
397122

Accession:
P26889

Predicted Molecular Mass:
44.8 kDa

SDS-PAGE:
45-52 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Interleukin 1 β (IL-1 β) is a member of the interleukin 1 cytokine family. It is a pro-inflammatory cytokine against infection, playing an important role in the pathogenesis of cancers. It signals through various adaptor proteins and kinases that lead to activation of numerous downstream targets.

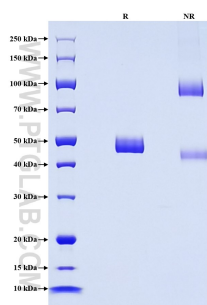
References

1. Takada YK. et al. (2017) J Biol Chem. 292: 20067-20075.
2. LaRock DL. et al. (2020) Infect Immun. 88: e00356-20.
3. Tian XX. et al. (2021) Int Endod J. 54: 916-925.
4. Jourdan T. et al. (2013) Nat Med. 19: 1132-1140.

Synonyms

IL1B, IL 1 beta, IL 1beta, interleukin 1 beta, Interleukin-1 beta

Selected Validation Data



Purity of Recombinant Pig IL-1 beta was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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