

For Research Use Only

Recombinant Pig IL-1 beta protein (rFc Tag)



Catalog Number: Eg4869

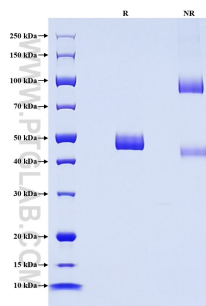
Basic Information	Species: Pig	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Pig IL-1 beta protein Ala115-Pro267 (Accession# P26889) with a rabbit IgG Fc tag at the N-terminus. GeneID: 397122 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 1β (IL-1B) 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		

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

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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.