

Datasheet for ABIN7275094

KLKB1 Protein (AA 20-638) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	KLKB1
Protein Characteristics:	AA 20-638
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLKB1 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus KLKB1 Protein
Sequence:	Gly20-Ala638
Characteristics:	Recombinant Cynomolgus KLKB1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly20-Ala638.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus KLKB1, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-KLKB1 Antibody, hFc Tag with the EC50 of 34.3g/ml determined by ELISA. See testing image for detail.

Target Details

Target:	KLKB1
Alternative Name:	KLKB1 (KLKB1 Products)
Background:	Plasma kallikrein, also known as Fletcher factor or kallikrein B1 (KLKB1), is a serine endopeptidase, like its homologs tissue kallikrein and kallikrein-related peptidases (KLKs). Its physiological role is to catalyze the release of kinins and other vasoactive peptides.
Molecular Weight:	70.19 kDa. Due to glycosylation, the protein migrates to 70-90 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5VTJ9
Pathways:	Complement System , Brown Fat Cell Differentiation

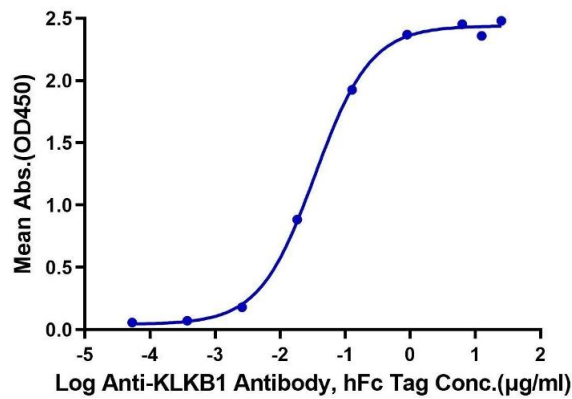
Application Details

Restrictions:	For Research Use only
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Handling

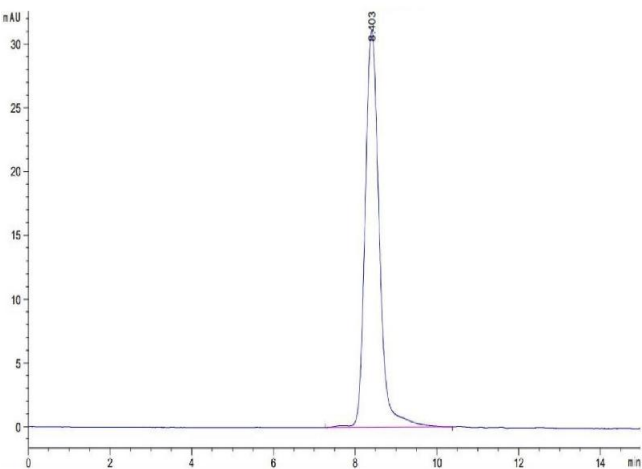
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 20 mM NaAc, 150 mM NaCl (pH 5.0).
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM NaAc, 150 mM NaCl (pH 5.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Cynomolgus KLKB1, His Tag ELISA
0.2µg Cynomolgus KLKB1,His Tag Per Well



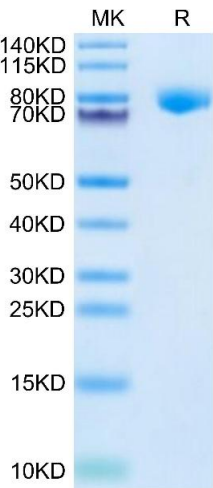
ELISA

Image 1. Immobilized Cynomolgus KLKB1, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-KLKB1 Antibody, hFc Tag with the EC₅₀ of 34.3g/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus KLKB1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Cynomolgus KLKB1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .