

Product datasheet

Recombinant LukD protein ab190423

[1 References](#) [3 Images](#)

Description

Product name	Recombinant LukD protein
Biological activity	Cytotoxicity can be detected in Human neutrophils when used in combination with LukE in a concentration range of 12.5-800 nM.
Purity	> 80 % SDS-PAGE.
Expression system	Escherichia coli
Accession	<u>O54082</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Sequence	MKIEKLGKSSVASSIALLLLSNTVDAAQNITPKREKKVDDKI TLYKTTAT SDNDKLNIFQILTFNFIKDKSYDKDTLVLKAAGNINSYKNS NPKDYNYS QFYWGGKYNVSVSSESNDVNVVDYAPKNQNEEFQVQQ TLGYSYGGDINI SNGLSGGLNGSKSFSETINYQESYRTTIDRKTNHKSIGWG VEAHKIMNN GWGPYGRDSYDPTYGNELFLGGDKSSSNAGQNFLPTHQI PLLARGNFNPE FISVLSHKLFDTKKSNIKVTYQREMDRYTNQWNRSHWVGN NYKNQNTVTF TSTYEVDWQNILLKLIGTDSKETNPGV
Predicted molecular weight	37 kDa
Amino acids	1 to 327
Additional sequence information	From Staphylococcus aureus. Purified.

Specifications

Our **[Abpromise guarantee](#)** covers the use of **ab190423** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot
	ELISA

SDS-PAGE
Functional Studies

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -80°C.
Constituent: 100% PBS
This product is an active protein and may elicit a biological response in vivo, handle with caution.

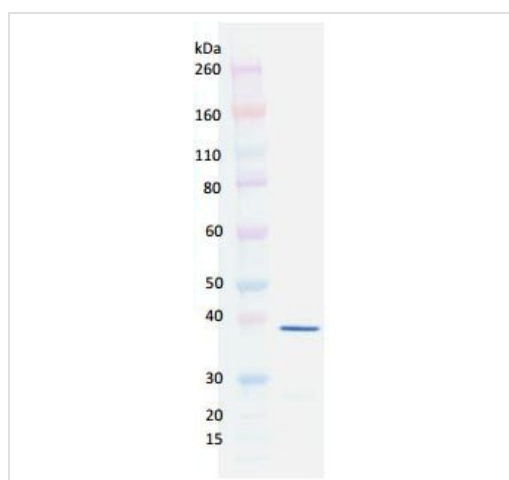
General Info

Images



SDS-PAGE analysis of ab190423: 1 µg (lane 1) and 5 µg (lane 2).

SDS-PAGE - Recombinant LukD protein (ab190423)

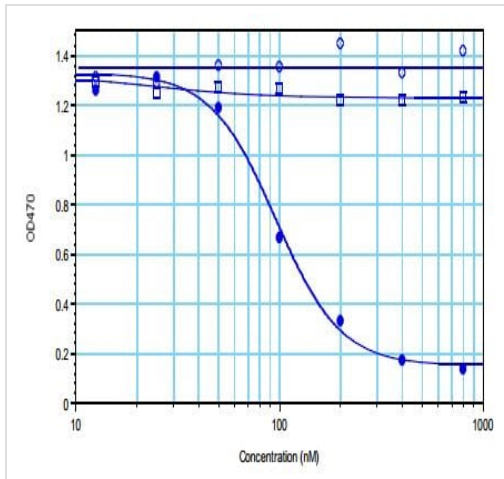


Anti-LukF-PV polyclonal antibody at 0.5 µg/ml + Recombinant LukD protein (ab190423) at 0.1 µg

Secondary

Anti-rabbit IgG-HRP conjugate

Western blot - Recombinant LukD protein (ab190423)



Functional Studies - Recombinant LukD protein
(ab190423)

Toxin Functionality: Human promyelocytic leukemia cell line HL60 was differentiated into neutrophils by treatment with DMSO. Neutrophils were incubated with serial dilutions of rLukE and ab190423 alone (Open circles and open squares, respectively) or equimolar concentration of both proteins (Closed circles) for 3 hours at 37°C with 5% CO₂ and 95% humidity. Cellular viability was determined by adding XTT and incubation for additional 16 hours. Cells were centrifuged and the OD determined in the supernatants at 470nm. EC₅₀ was found to be 95.1 nM of each toxin subunit.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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