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## Datasheet for ABIN2181671 Protein L Protein (His tag)

2 Images

1 Publication

### Overview

Quantity:	10 mg
Target:	Protein L
Origin:	Peptostreptococcus magnus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Protein L protein is labelled with His tag.

### Product Details

Brand:	MABSol®
Characteristics:	Recombinant Protein L Protein is fused with the polyhistidine tag at N-terminus and a single cysteine at C-terminus. The reducing (R) protein migrates as a 36-38 kDa polypeptide .Protein L Protein can bind to VL-Kappa.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

### Target Details

Target:	Protein L
Abstract:	<a href="#">Protein L Products</a>
Background:	Protein L was isolated from the surface of bacterial species Peptostreptococcus magnus and was found to bind Ig(IgG,IgM,IgA,IgE and IgD) through L chain interaction, from which the name was suggested. Despite this wide-ranging binding capability with respect to Ig classes, Protein

## Target Details

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L is not a universal immunoglobulin-binding protein. Binding of Protein L to immunoglobulins is restricted to those containing kappa light chains (i.e., k chain of the VL domain). In humans and mice, kappa (k) light chains predominate. The remaining immunoglobulins have lambda (l) light chains. The recombinant protein contains four immunoglobulin (Ig) binding domains (Bdomains) of the native protein. Besides antibody, protein L is also suitable for binding of a wide range of antibody fragments such as Fabs, single-chain variable fragments (scFv), and domain antibodies (Dabs).

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Gene ID: 17

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please see Certificate of Analysis for specific instructions. For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Buffer: 100 mM NaH<sub>2</sub>PO<sub>4</sub>, pH 8.5

Handling Advice: Avoid repeated freeze-thaw cycles.

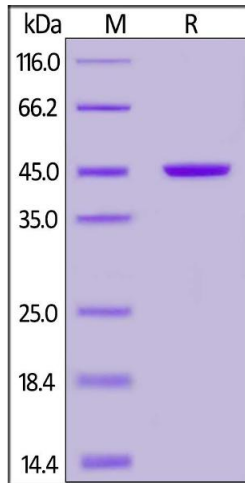
Storage: -20 °C

Storage Comment: Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

## Publications

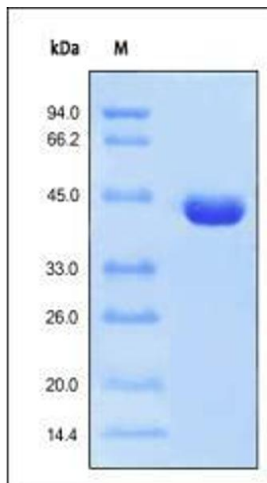
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Product cited in: Mettler Izquierdo, Varela, Park, Collarini, Lu, Pramanick, Rucker, Lopalco, Etches, Harriman: "High-efficiency antibody discovery achieved with multiplexed microscopy." in: **Microscopy (Oxford, England)**, Vol. 65, Issue 4, pp. 341-52, (2018) ([PubMed](#)).



### SDS-PAGE

**Image 1.** Recombinant Protein L, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .



### SDS-PAGE

**Image 2.**