

Product datasheet

Recombinant rhesus monkey IL-6 protein ab200291

Description

Product name	Recombinant rhesus monkey IL-6 protein	
Biological activity	The ED ₅₀ was determined by the dose-dependent stimulation of the proliferation of the IL-6 dependent murine 7TD1 cells is ≤ 0.1 ng/mL corresponding to a specific activity of ≥ 1 x 10 ⁷ units/mg.	
Purity	> 97 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P51494	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Rhesus monkey	
Sequence	MAPVLPGEDSKNVAAPHSQPLTSSERIDKHIRYILDGISAL RKETCNRSN MCESSKEALAENNLNLPKMAEKDGCQSGFNEDTCLVKII TGLLEFEVYL EYLQNRFEESSEEQARAVQMSTKVLIQFLQKKAKNLDAITTP EPTTNASLL TKLQAQNPQLQDMTTHLILRSFKEFLQSNLRALRQM	
Predicted molecular weight	21 kDa	
Amino acids	28 to 212	
Additional sequence information	This product is for the mature full length protein. The signal peptide is not included. A single non-glycosylated polypeptide chain.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab200291** in the following tested applications.

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

Applications	HPLC
	SDS-PAGE
	Functional Studies

Form Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at 4°C prior to reconstitution. Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C or -80°C. Avoid freeze / thaw cycle. Store under desiccating conditions.

pH: 7.40
Constituent: 100% PBS

Lyophilized from a 0.2 µM filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution Briefly centrifuge prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL.

General Info

Function Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells. Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.

Involvement in disease Genetic variations in IL6 are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis.

Note=A IL6 promoter polymorphism is associated with a lifetime risk of development of Kaposi sarcoma in HIV-infected men.

Sequence similarities Belongs to the IL-6 superfamily.

Post-translational modifications N- and O-glycosylated.

Cellular localization Secreted.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors