

Product datasheet

Recombinant mouse IL-2 protein (Active) ab269183

[2 Images](#)

Description

Product name	Recombinant mouse IL-2 protein (Active)	
Biological activity	CTLL-2 cell proliferation ≤ 5 ng/mL; $\geq 2.0 \times 10^5$ units/mg.	
Purity	> 95 % SDS-PAGE. NULL	
Endotoxin level	< 1.000 Eu/ μ g	
Expression system	Escherichia coli	
Accession	P04351	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	MAPTSSSTSS STAEAQQQQQ QQQQQQHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLKGSNTFE CQFDDESATV VDFLRRWIAF CQSIISTSPQ	
Predicted molecular weight	17 kDa	
Amino acids	21 to 169	
Additional sequence information	Mature chain	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab269183** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped at Room Temperature. Upon delivery aliquot. Store at -20°C or -80°C. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C..

Constituent: 0.29% Sodium citrate

Lyophilized from

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

Reconstitution

Sterile 10 mM acetic acid at 0.1 mg/mL

General Info

Function

Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.

Involvement in disease

Note=A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17.

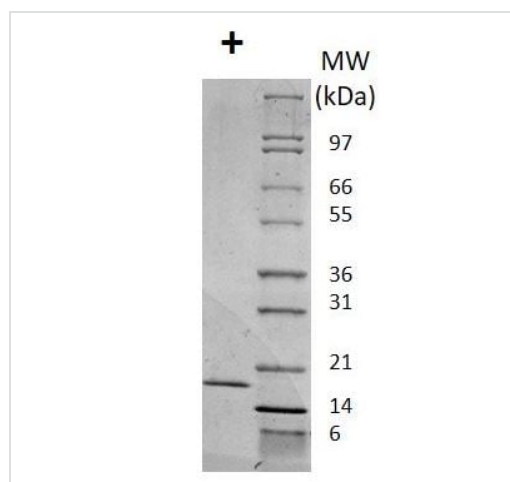
Sequence similarities

Belongs to the IL-2 family.

Cellular localization

Secreted.

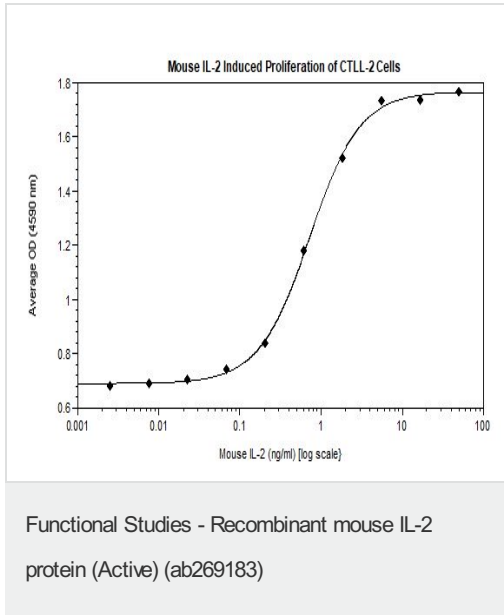
Images



SDS-PAGE - Recombinant mouse IL-2 protein
(Active) (ab269183)

SDS-PAGE analysis of ab269183 at 1 ug/lane under (+) reducing conditions. 4-20% Tris glycine gel. Stained with coomassie blue.

Biological activity graph of ab269183



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

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