BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno

Date of issue: 05.01.2018

PRODUCT DATASHEET

IL-2 Mouse E. coli

Cat. No.: RD272567100
Type: Recombinant
Size: 0.1 mg
Source: E. coli
Species: Mouse

Description
Total 159 AA. MW: 18.3 kDa (calculated). UniProtKB acc. no. P04351 (Ala21–Gln169). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Other names
Interleukin-2, T-cell growth factor, TCGF

Introduction to the molecule

Research topic
Cytokines and chemokines and related molecules, Immune Response, Infection and Inflammation

Amino Acid sequence
MKHHHHHHAS APTSSPTSSP TSSSTAEAQQ QQQQQQHLEQ LLMDLQELLS RMENYRNLKL PRMLTFKFYL PKQATELKDL QCLEDELGPL RHVLDLTQSK SFQLEDAENF ISNIRVTVVK LKGSDNTFEC QFDDESATVV DFLRRWIAFC QSIISTSPQ

Purity
Purity as determined by densitometric image analysis: > 90 %

Endotoxin
< 1.0 EU/µg

Formulation:
Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM NaCl, pH 7.5; 5% trehalose

Reconstituion:
Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping
At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life
Store lyophilized protein at –80°C. Lyophilized protein remains stable until the expiry date when stored at –80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at –80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno, Czech Republic

Phone: +420-549-124-185, Fax: +420-549-211-460
E-mail: info@biovendor.com, sales@biovendor.com
Web: www.biovendor.com
There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact

BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno

Date of issue: 05.01.2018

Quality control

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

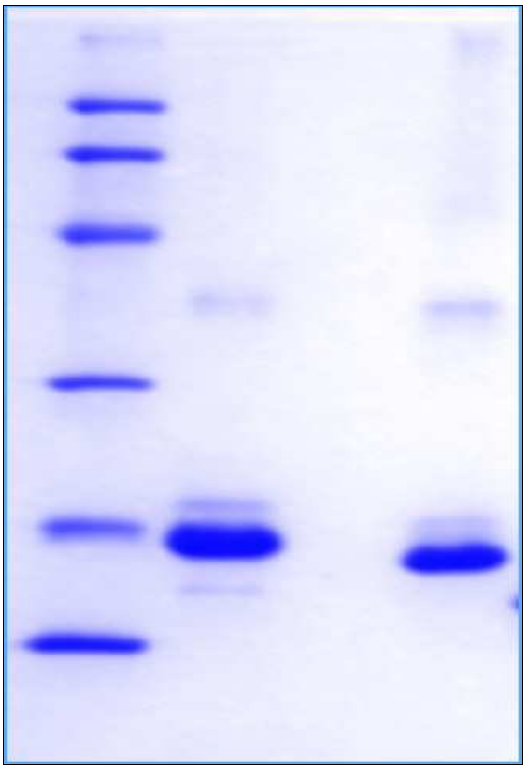
LAL to determine quantity of endotoxin.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.



14 % SDS-PAGE separation of Mouse IL-2:
1. M.W. marker – 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane

BioVendor - Laboratorní medicína a.s.
Karásek 1767/1
621 00 Brno, Czech Republic

Phone: +420-549-124-185, Fax: +420-549-211-460
E-mail: info@biovendor.com, sales@biovendor.com
Web: www.biovendor.com

There are BioVendor branches and distributors near you.
To find the office closest to you, visit www.biovendor.com/contact