

Recombinant mouse IL-2 protein (Active) ab259380

画像数 4

製品の詳細

製品名	Recombinant mouse IL-2 protein (Active)
生理活性	Fully biologically active when compared to standard. Determined by the dose dependant proliferation of CTLL-2 cells. ED ₅₀ is ≤ 0.5ng/mL, corresponding to a specific activity of 2.00 x 10 ⁶ units/mg.
精製度	≥ 95 % SDS-PAGE. Purity by HPLC ≥95%.
エンドトキシン・レベル	≤0.005 Eu/μg
発現系	HEK 293 cells
アクセッション番号	<u>P04351</u>
タンパク質長	Full length protein
Animal free	Yes
キャリア・フリー	はい
由来	Recombinant
生物種	Mouse
予測される分子量	17 kDa
分子量情報	M+/-0 Da, pass (+568/569 Da: Hex(1)HexNAc(2)) (Calc MW 17289.01) APTSSSTSSSTA EAQQQQQQQQQQHLEQLLMDLQELLSRMENYRNKLPRMLTFKFYLPK QATELKDLQCLEDELGPLRHVLDLTQSKSFQLEDAENFISNIRVTVVKLKGS DNTFECQFDDE SATVVDFLRRWIAFCQSIISTSPQ
領域	21 to 169
配列の追加情報	N-terminal glycine Full-length mature chain lacking the signal peptide.

特性

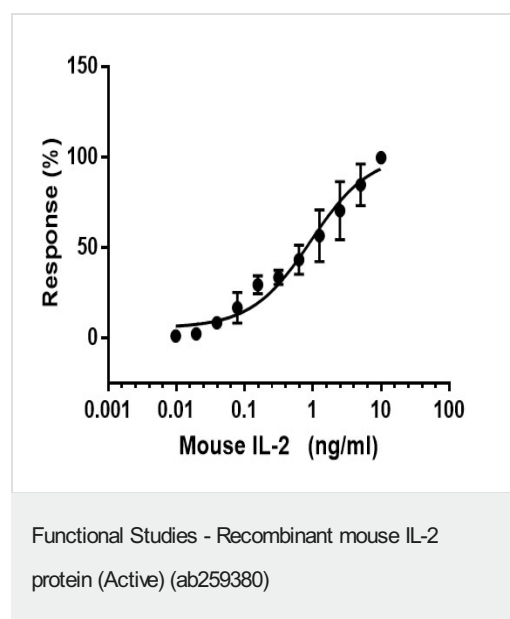
Our **Abpromise guarantee** covers the use of **ab259380** in the following tested applications.

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

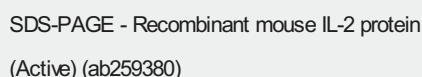
アプリケーション	Cell Culture
	SDS-PAGE
	HPLC
	Functional Studies

製品の状態	Lyophilized
備考	This protein is filter sterilized prior to aliquoting and lyophilization. All aliquoting and lyophilization steps are performed in a sterile environment
前処理および保存	
保存方法および安定性	<p>Shipped at Room Temperature. Store at Room Temperature.</p> <p>pH: 6.00</p> <p>Constituents: 0.727% Dibasic monohydrogen potassium phosphate, 0.248% Monobasic dihydrogen potassium phosphate, 10.26% Trehalose</p> <p>Buffer lyophilized from.</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
再構成	<p>Reconstitute with phosphate buffered saline. Store lyophilized form at room temperature.</p> <p>Reconstitute, aliquot and store at -80°C for 12 months or +4°C for 1 week. Avoid repeated freeze-thaw. Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the product.</p>
関連情報	
機能	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.
関連疾患	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.
配列類似性	Belongs to the IL-2 family.
細胞内局在	Secreted.

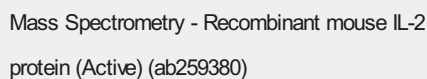
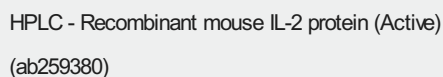
画像



Fully biologically active when compared to standard. Determined by the dose dependant proliferation of CTLL-2 cells. ED₅₀ is ≤ 0.5ng/mL, corresponding to a specific activity of 2.00 x 10⁶ units/mg.

Purity $\geq 95\%$

The spectrum was recorded using a 1260 Infinity II HPLC system with DAD and a MabPac RP column (3.0x100 mm, 4 μ m). 5 μ L of purified protein was injected and the gradient run from 80 % water:TFA (99.9:0.1 v/v) and 20 % acetonitrile:water:TFA (90:9.9:0.1 v/v/v) to 20 % water:TFA (99.9:0.1 v/v) and 80 % acetonitrile:water:TFA (90:9.9:0.1 v/v/v) within 3 minutes followed by an isocratic step for another 3 min. Flow rate was 0.5 mL/min and the column compartment temperature was 50 $^{\circ}$ C.



M+/-0 Da, pass (+568/569 Da: Hex(1)HexNAc(2)) (Calc MW 17289.01)

The spectrum was recorded with a 6545XT AdvanceBio LC/Q-TOF (Agilent Technologies) and a MabPac RP column (42.1x50 mm, 4 μ m, Thermo Scientific). 5 μ L of purified protein was injected and the gradient run from 85 % water:FA (99.9:0.1 v/v) and 15 % acetonitrile:FA (90:9.9:0.1 v/v/v) to 55 % water:FA (99.9:0.1 v/v) and 45 % acetonitrile:FA (90:9.9:0.1 v/v/v) within 3 minutes followed by an isocratic step for another 2.5 min. Flow rate was 0.4 mL/min and the column compartment temperature was 60 °C. Data was analysed and deconvoluted using the Bioconfirm software (Agilent Technologies).

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