For Research Use Only

Recombinant Rat CD86 protein (rFc Tag) (HPLC verified)

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Catalog Number: Eg3586

Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
 >90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ μg protein, LAL method

Source:
HEK293-derived Rat CD86 protein Pro30-Thr248 (Accession# O35531) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
56822

Accession:
O35531

Predicted Molecular Mass:
51.3 kDa

SDS-PAGE:
55-75 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD86 is a critical costimulatory molecule in antigen-presenting cells including B cells. Induction of CD86 by B cell receptor (BCR) signaling is an important feature of the BCR-induced activation program, although CD86 can also be induced in B cells by CD40 and cytokine signaling.

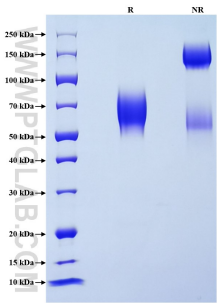
References

1. Cyster J. G, et al. (2019). Cell. 177(3):524-540.
2. Hinz M, et al. (2001). Blood. 97(9):2798-807.
3. Attridge K, et al. (2014). J. Immunol. 192(5):2195-201.

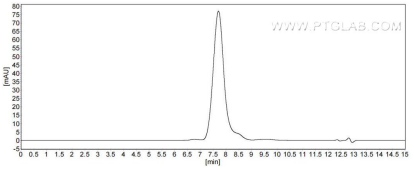
Synonyms

B7 2, B7-2, CD86 molecule

Selected Validation Data



Purity of Recombinant Rat CD86 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Rat CD86 was greater than 90% as determined by SEC-HPLC.