

For Research Use Only

Recombinant Rat CD80 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3841

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/ μ g protein, LAL method

Source:
HEK293-derived Rat CD80 protein Ile39-Gln248 (Accession# Q62680) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
25408

Accession:
Q62680

Predicted Molecular Mass:
50.2 kDa

SDS-PAGE:
60-75 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m 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°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C 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

CD80, also known as B7, B7.1, or BB1, is a member of the immunoglobulin superfamily with a size of 44-54 kDa and is expressed by a variety of cells, including activated B cells, T cells, macrophages, dendritic cells, and tumor cells. CD80 plays a crucial role in T cell activation.

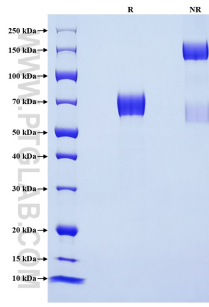
References

1. Hathcock KS, et al. J Exp Med. (1994) 180:631-40.
2. Freeman GJ, et al. J Immunol. (1989) 143:2714-22.
3. Li L, et al. Front Immunol. 2024 Nov 7;15:1496992.

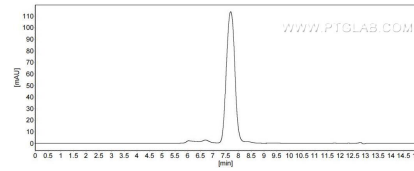
Synonyms

B7 1, B7.1, B7-1, Cd80 molecule

Selected Validation Data



Purity of Recombinant Rat CD80 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 CD80 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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