For Research Use Only

Recombinant Human Fas/CD95 protein (His Tag)

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Catalog Number: Eg0877

Basic Information

Species:
Human

Purity:
>95 %, SDS-PAGE

Tag:
His Tag

EC50:
1-5 ng/mL

Technical Specifications

Purity:
>95 %, SDS-PAGE

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

Source:
HEK293-derived Human Fas protein Gln26-Asn173 (Accession# P25445-1) with His tag at the C-terminus.

GeneID:
355

Accession:
P25445-1

Predicted Molecular Mass:
17.4 kDa

SDS-PAGE:
20-36 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

Immobilized Human Fas (His tag) at 2 μg/mL (100 μL/well) can bind Human Fas Ligand (hFc tag) with a linear range of 1-5 ng/mL.

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

Fas, also known as TNFRSF6, CD95, and APO-1, is a transmembrane glycoprotein belonging to the tumor necrosis factor (TNF) receptor superfamily. It can mediate apoptosis by ligation with an agonistic anti-Fas antibody or Fas ligand. Stimulation of Fas results in the aggregation of its intracellular death domains, leading to the formation of the death-inducing signaling complex (DISC). FAS-mediated apoptosis plays a role in the maintenance of cell homeostasis and in the deletion of useless or autoreactive T cells. Alterations in the CD95/CD95L pathway have been involved in several disease conditions, including autoimmune diseases, chronic inflammation and cancer.

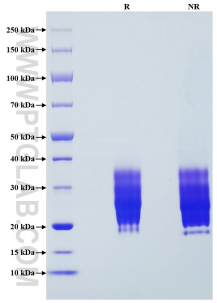
References

1.N Itoh. et al. (1991). Cell. 66(2):233-43.
2.M E Peter. et al. (2003). Cell Death Differ. 10(1):26-35.
3.M E Peter. et al. (2015). Cell Death Differ. 22(4):549-59.
4.Vesna Risso. et al. (2022). Cell Death Dis. 13(3):248.

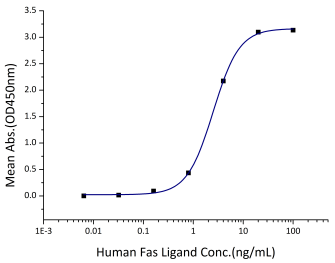
Synonyms

Fas/TNFRSF6, FAS, ALPS1A, APO-1, Apo-1 antigen

Selected Validation Data



Purity of Recombinant Human Fas 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.



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