

Human Fas/TNFRSF6/CD95 Protein

Cat. No. FAS-HM201

Description

Source	Recombinant Human Fas/TNFRSF6/CD95 Protein is expressed from Expi293 with hFc tag at the C-terminal. It contains Gln26-Asn173.
Accession	P25445-1
Molecular Weight	The protein has a predicted MW of 43.4 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

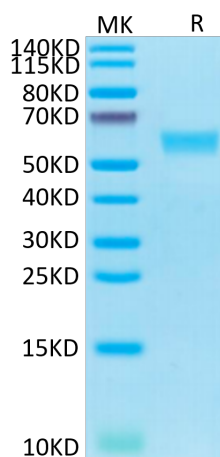
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Background

CD95 (also known as Fas) is a member of the tumor necrosis factor receptor (TNFR) superfamily. Its cognate ligand, CD95L, is implicated in immune homeostasis and immune surveillance. Mutations in this receptor are associated with a loss of apoptotic signaling and have been detected in an autoimmune disorder called autoimmune lymphoproliferative syndrome (ALPS) type Ia, which shares some clinical features with systemic lupus erythematosus (SLE).

Assay Data

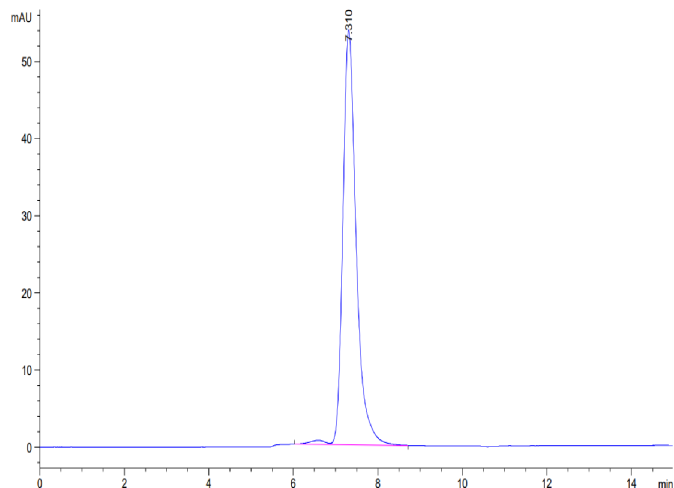
Tris-Bis PAGE



Human Fas on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

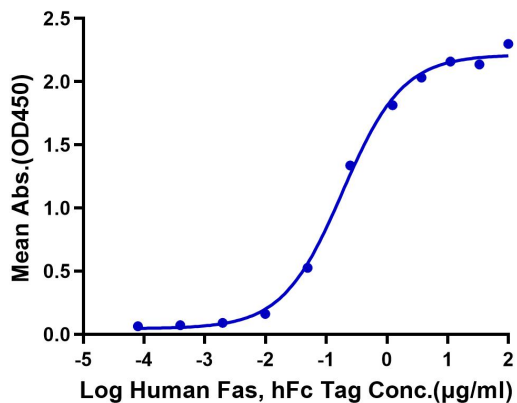
Assay Data



The purity of Human Fas is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human Fas, hFc Tag ELISA
0.2µg Human Fas Ligand, His Tag Per Well



Immobilized Human Fas Ligand, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human Fas, hFc Tag with the EC50 of 0.19µg/ml determined by ELISA.