

Recombinant Rat fibrinogen-like 2/FGL2 Protein

Catalog No.: RP03296 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Rat	84586	Q32Q89

Tags

N-His-Avi&Flag tag

Synonyms

Fibroleukin; pT49; FGL2; fibrinogen-like 2

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
31.31 kDa	40-50 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

Background

Fibrinogen-like protein 2, also known as FGL2 is a protein that exhibits pleiotropic effects within the body and is an important immune regulator of both innate and adaptive responses. The protein exists as both a Type II transmembrane protein found on the surface of macrophages and endothelial cells and can be constitutively secreted by both CD4+ and CD8+ T cells. FGL2 is overexpressed in glioma, and its expression level is negatively associated with the prognosis of glioma patients.

Basic Information

Description

Recombinant Rat FGL2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val193-Pro427) of Rat FGL2 (Accession #Q32Q89) fused with a His-Avi&Flag tag at the N-terminus.

Bio-Activity

Immobilized Rat FGL2, His Tag at 2 μg/ml (100 μl/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC50 of 0.29 μg/ml determined by ELISA.

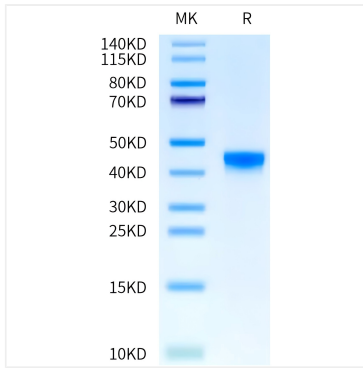
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

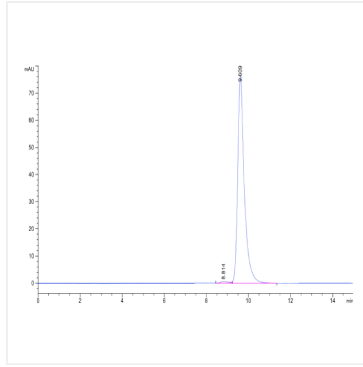


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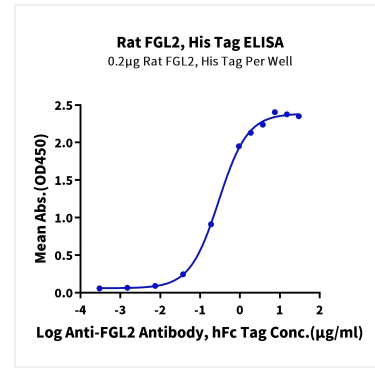
Validation Data



Recombinant Rat fibrinogen-like 2/FGL2 Protein was determined by SDS-PAGE with Coomassie Blue.



The purity of Rat FGL2 is greater than 95% as determined by SEC-HPLC.



Immobilized Rat FGL2, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC₅₀ of 0.29µg/ml determined by ELISA.