


Rev03
 Update: Aug,08,2025

DATASHEET

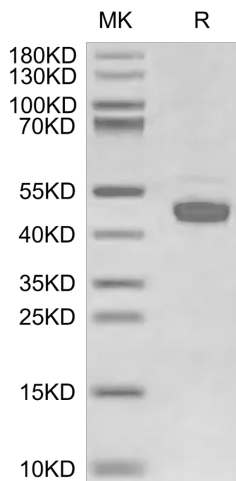
FGL2[Biotin], His & Avi & Flag, Human

Cat. No.: Z04465

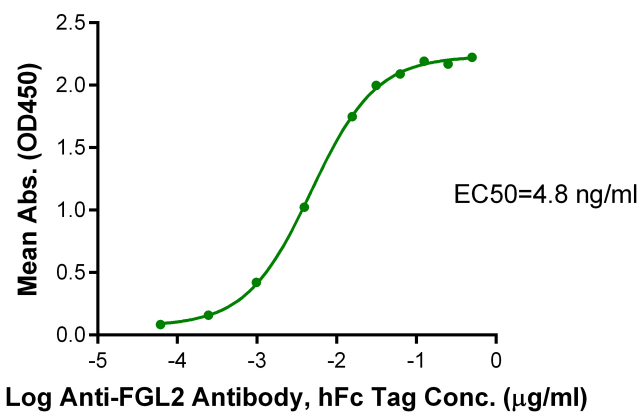
Product Introduction

Species	Human
Protein Construction	 <p style="text-align: center;"> N-term C-term </p>
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized FGL2[Biotin], His & Avi & Flag, Human at 2µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate can bind AntiFGL2 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	31.2 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-55 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

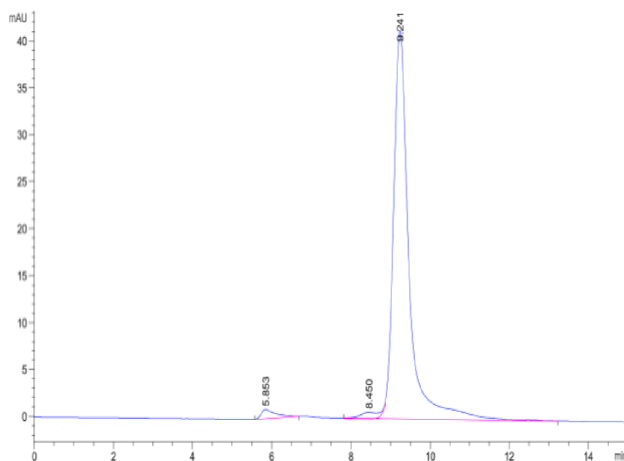
Examples



FGL2[Biotin], His & Avi & Flag, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized FGL2[Biotin], His & Avi & Flag, Human, His Tag at 2 µg/ml (100 µl/well) on the streptavidin precoated plate(5 µg/ml). Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC50 of 4.8 ng/ml determined by ELISA.



The purity of FGL2[Biotin], His & Avi & Flag, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : Fibrinogen-like protein 2 (FGL2) is a member of the fibrinogen-like protein family and possesses important regulatory functions in both innate and adaptive immune responses. FGL2 is overexpressed in glioma, and its expression level is negatively associated with the prognosis of glioma patients.

Synonyms : Fibroleukin; pT49; FGL2; fibrinogen-like 2;

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