

FGL2 Protein, Human (Biotinylated, HEK293, His-Avi, Flag)

Cat. No.:	HY-P700987
Synonyms:	Fibroleukin; pT49; FGL2; fibrinogen-like 2;
Species:	Human
Source:	HEK293
Accession:	Q14314 (V205-P439)
Gene ID:	10875
Molecular Weight:	40-55 kDa

PROPERTIES

Biological Activity	Immobilized Biotinylated Human FGL2, His Tag at 2 µg/mL (100 µl/Well) on streptavidin (5 µg/mL) precoated plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC ₅₀ of ≤5 ng/mL determined by ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The FGL2 protein appears to play a role in physiologic lymphocyte functions at mucosal sites, suggesting its involvement in immune responses specific to mucosal tissues. Its potential contribution to lymphocyte functions implies a role in the regulation of immune activities at these specialized sites. Structurally, FGL2 forms homotetramers that are disulfide-linked, highlighting its quaternary structure. Further exploration into the specific mechanisms by which FGL2 influences physiologic lymphocyte functions at mucosal sites and the functional consequences of its homotetrameric organization could provide valuable insights into its role in mucosal immunity and immune system regulation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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