FGL2 Protein, Cynomolgus (HEK293, His-Avi, Flag)

Cat. No.:	HY-P701059
Synonyms:	Fibroleukin; pT49; FGL2; fibrinogen-like 2;
Species:	Cynomolgus
Source:	HEK293
Accession:	A0A2K5WID3 (V205-P439)
Gene ID:	102123631
Molecular Weight:	40-50 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus FGL2, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC_{50} of 13.2ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	FGL2 (Fibrinogen-Like Protein 2) is a crucial enzyme involved in the coagulation pathway, exerting its function by converting prothrombin into thrombin. This conversion is a pivotal step in the blood clotting process, playing a fundamental role in maintaining hemostasis. Structurally, FGL2 forms a homotetramer, indicating the assembly of four identical subunits. The integrity of this tetrameric structure is maintained through disulfide linkages between the subunits. The homotetrameric arrangement suggests a cooperative mechanism, potentially enhancing the efficiency of FGL2 in its prothrombin-to-thrombin conversion activity. Ongoing research may reveal additional insights into the specific regulatory mechanisms and physiological implications of FGL2 in the coagulation cascade.

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