



Human Epidermal growth factor-like protein 6(EGFL6) ELISA kit

Product Code	CSB-EL007475HU
Abbreviation	EGFL6
Protein Biological Process 1	Cell Adhesion
Target Name	EGF-like-domain, multiple 6
Uniprot No.	Q8IUX8
Alias	DKFZp564P2063, MAEG, W80, EGF repeat-containing protein 6 MAM and EGF domain containing epidermal growth factor-like protein 6
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, tissue homogenates
Detection Range	78 pg/mL-5000 pg/mL
Sensitivity	19.5 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Signal Transduction
Gene Names	EGFL6
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human EGFL6 ELISA Kit was designed for the quantitative measurement of Human EGFL6 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 78 pg/mL-5000 pg/mL and the sensitivity is 19.5 pg/mL.

Target Details

This gene encodes a member of the epidermal growth factor (EGF) repeat superfamily. Members of this superfamily are characterized by the presence of EGF-like repeats and are often involved in the regulation of cell cycle, proliferation, and developmental processes. The gene product contains a signal



peptide, suggesting that it is secreted; an EGF repeat region consisting of 4 complete EGF-like repeats and 1 partial EGF-like repeat, 3 of which have a calcium-binding consensus sequence; an arg-gly-asp integrin association motif; and a MAM domain, which is believed to have an adhesive function. This gene is expressed early during development, and its expression has been detected in lung and meningioma tumors.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human EGFL6 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	104
	Range %	97-108
1:2	Average %	101
	Range %	93-105
1:4	Average %	97
	Range %	89-101
1:8	Average %	104
	Range %	94-109

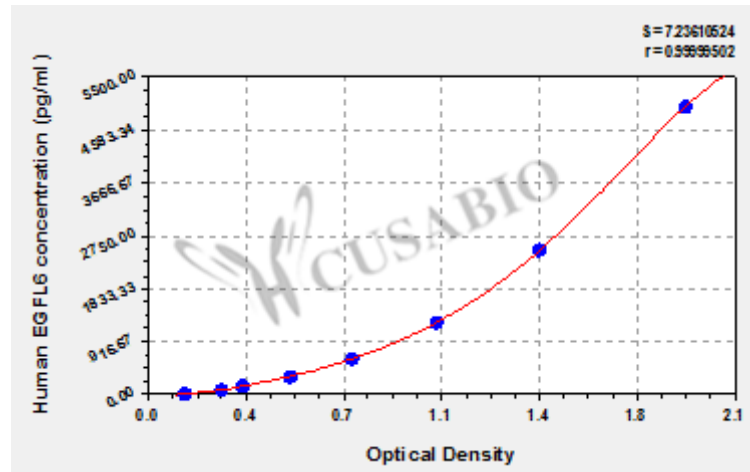
Recovery

The recovery of human EGFL6 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	89	83-94
EDTA plasma (n=4)	102	95-107

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
5000	1.972	1.918	1.945	1.800
2500	1.400	1.439	1.420	1.275
1250	1.072	1.025	1.049	0.904
625	0.762	0.734	0.748	0.603
312	0.521	0.529	0.525	0.380
156	0.348	0.357	0.353	0.208
78	0.271	0.283	0.277	0.132
0	0.148	0.142	0.145	?

Msds

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