

Human EIF5A (Eukaryotic translation initiation factor 5A-1) ELISA Kit | EIF5A elisa kit

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CATALOG #
AAA248965

REACTIVITY
Human

PRODUCT SYNONYMS

EIF5A (Eukaryotic translation initiation factor 5A-1); Human EIF5A (Eukaryotic translation initiation factor 5A-1) ELISA Kit; EIF5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EGFR. No significant cross-reactivity or interference between EGFR and analogues was observed.
Sequence Length	154
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level EGFR were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level EGFR were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a EIF5A ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A/not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.112	0.195	0.231	0.44	0.653	1.115	1.698	1.966

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EIF5A elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-EGFR antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-EGFR antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the EGFR amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of EGFR can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503545
NCBI GeneID	1984
NCBI Accession #	NP_001961.1
NCBI GenBank Nucleotide #	NM_001970.5
UniProt Accession #	P63241; P10159; Q16182; Q7L7L3; Q7Z4L1; Q9D0G2; A8K9A0; D3DTP2
Molecular Weight	20,170 Da
NCBI Official Full Name	eukaryotic translation initiation factor 5A-1 isoform B
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 5A
NCBI Official Symbol	EIF5A
NCBI Official Synonym Symbols	EIF-5A; EIF5A1; eIF5AI
NCBI Protein Information	eukaryotic translation initiation factor 5A-1
UniProt Protein Name	Eukaryotic translation initiation factor 5A-1
UniProt Gene Name	EIF5A
UniProt Synonym Gene Names	eIF-5A-1; eIF-5A1; eIF-5A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/eif5a-eukaryotic-translation-initiation-factor-5a-1/248965>