

Human Eukaryotic initiation factor 4A III (EIF4A3) ELISA Kit | EIF4A3 elisa kit

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CATALOG #
AAA246067

REACTIVITY
Human

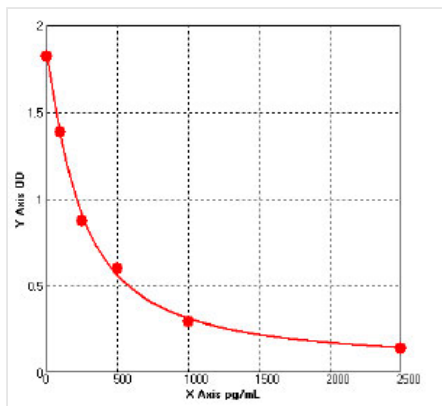
PRODUCT SYNONYMS

Eukaryotic initiation factor 4A III (EIF4A3); Human Eukaryotic initiation factor 4A III (EIF4A3) ELISA Kit; EIF4A3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of EIF4A3. No significant cross-reactivity or interference between EIF4A3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between EIF4A3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EIF4A3 elisa kit	Intended Uses: This EIF4A3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human EIF4A3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: EIF4A3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-EIF4A3 antibody and an EIF4A3-HRP conjugate. The assay sample and buffer are incubated together with EIF4A3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the EIF4A3 concentration since EIF4A3 from samples and EIF4A3-HRP conjugate compete for the anti-EIF4A3 antibody binding site. Since the number of sites is limited, as more sites are occupied by EIF4A3 from the sample, fewer sites are left to bind EIF4A3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EIF4A3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for EIF4A3 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	7661920
NCBI GeneID	9775
NCBI Accession #	NP_055555.1
NCBI GenBank Nucleotide #	NM_014740.3
Molecular Weight	46,871 Da
NCBI Official Full Name	eukaryotic initiation factor 4A-III
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4A3
NCBI Official Symbol	EIF4A3
NCBI Official Synonym Symbols	RCPS; DDX48; MUK34; NUK34; NMP265; eIF4AIII
NCBI Protein Information	eukaryotic initiation factor 4A-III; NMP 265; hNMP 265; eIF4A-III; eIF-4A-III; DEAD box protein 48; nuclear matrix protein 265; ATP-dependent RNA helicase DDX48; ATP-dependent RNA helicase eIF4A-3; DEAD (Asp-Glu-Ala-Asp) box polypeptide 48; eukaryotic initiation factor 4A-like NUK-34; eukaryotic translation initiation factor 4A, isoform 3
UniProt Protein Name	Eukaryotic initiation factor 4A-III
UniProt Gene Name	EIF4A3
UniProt Synonym Gene Names	DDX48; KIAA0111; eIF-4A-III; eIF4A-III; NMP 265; hNMP 265
UniProt Entry Name	IF4A3_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/eukaryotic-initiation-factor-4a-iii-eif4a3/246067>