

Guinea Pig Eukaryotic Translation Initiation Factor 3A ELISA Kit | eIF3A elisa kit

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CATALOG #
AAA86311

REACTIVITY
Guinea Pig

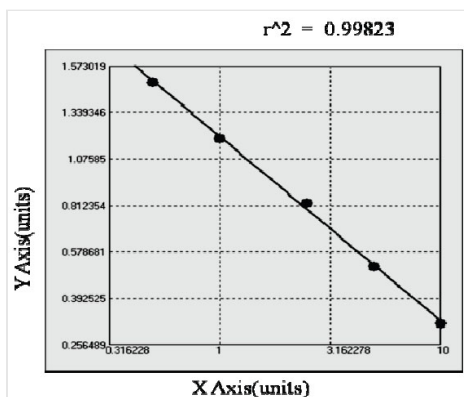
PRODUCT SYNONYMS

Eukaryotic Translation Initiation Factor 3A; Guinea pig Eukaryotic Translation Initiation Factor 3A ELISA Kit; eIF3A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This eIF3A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig eIF3A. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for eIF3A elisa kit

Principle of the Assay: eIF3A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-eIF3A antibody and an eIF3A-HRP conjugate. The assay sample and buffer are incubated together with eIF3A-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 eIF3A concentration since eIF3A from samples and eIF3A-HRP conjugate compete for the anti-eIF3A antibody binding site. Since the number of sites is limited, as more sites are occupied by eIF3A from the sample, fewer sites are left to bind eIF3A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The eIF3A concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	229488252
NCBI GeneID	292148
Molecular Weight	163,196 Da
NCBI Official Full Name	Eukaryotic translation initiation factor 3 subunit A
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3, subunit A
NCBI Official Symbol	Elf3a
NCBI Official Synonym Symbols	ZH12; Elf3s10
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit A; eIF-3-theta; eukaryotic translation initiation factor 3 subunit 10; eukaryotic translation initiation factor 3, subunit 10 (theta)
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit A
UniProt Gene Name	Elf3a
UniProt Synonym Gene Names	Elf3s10; eIF3a
UniProt Entry Name	EIF3A_RAT

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/eif3a-guinea-pig-pig-elisa-kits/eukaryotic-translation-initiation-factor-3a/86311>