

Human EIF2A (Eukaryotic Translation Initiation Factor 2 subunit alpha) ELISA Kit | EIF2A elisa kit

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CATALOG #
AAA277776

REACTIVITY
Human

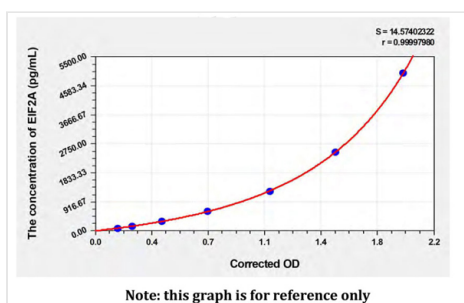
PRODUCT SYNONYMS

EIF2A (Eukaryotic Translation Initiation Factor 2 subunit alpha); Human EIF2A (Eukaryotic Translation Initiation Factor 2 subunit alpha) ELISA Kit; Eukaryotic translation initiation factor 2 subunit alpha (eIF-2-alpha; eIF-2A; eIF-2alpha); EIF2A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human EIF2A. No significant cross-reactivity or interference between Human EIF2A and analogues was observed.
Assay Type	Sandwich
Detection Range	78.13-5000 pg/mL
Sensitivity	31.5 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EIF2A elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human EIF2A. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human EIF2A. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Human EIF2A, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Human EIF2A in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	54873624
NCBI GeneID	83939
NCBI Accession #	NP_114414.2
NCBI GenBank Nucleotide #	NM_032025.3
UniProt Accession #	Q9BY44; Q5QTR2; Q7Z4E9; Q8NFM1; Q96EW9; Q96K81; A8MPS6; D3DNI9
Molecular Weight	64,990 Da
NCBI Official Full Name	eukaryotic translation initiation factor 2A
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 2A, 65kDa
NCBI Official Symbol	EIF2A
NCBI Official Synonym Symbols	CDA02; EIF-2A; MST089; MSTP004; MSTP089
NCBI Protein Information	eukaryotic translation initiation factor 2A; 65 kDa eukaryotic translation initiation factor 2A
UniProt Protein Name	Eukaryotic translation initiation factor 2A
UniProt Gene Name	EIF2A
UniProt Synonym Gene Names	eIF-2A
UniProt Entry Name	EIF2A_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/eif2a-eukaryotic-translation-initiation-factor-2-subunit-alpha/277776>