

Human Probable ATP-dependent RNA helicase DDX58 (DDX58) ELISA Kit | DDX58 elisa kit

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CATALOG #
AAA247205

REACTIVITY
Human

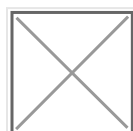
PRODUCT SYNONYMS

Probable ATP-dependent RNA helicase DDX58 (DDX58); Human Probable ATP-dependent RNA helicase DDX58 (DDX58) ELISA Kit; DDX58 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DDX58. No significant cross-reactivity or interference between DDX58 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DDX58 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	925
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DDX58 elisa kit

Intended Uses: This DDX58 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanDDX58. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: DDX58 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DDX58 antibody and an DDX58-HRP conjugate. The assay sample and buffer are incubated together with DDX58-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 DDX58 concentration since DDX58 from samples and DDX58-HRP conjugate compete for the anti-DDX58 antibody binding site. Since the number of sites is limited, as more sites are occupied by DDX58 from the sample, fewer sites are left to bind DDX58-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DDX58 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

[27881482](#)

NCBI GeneID	23586
NCBI Accession #	NP_055129.2
NCBI GenBank Nucleotide #	NM_014314.3
UniProt Accession #	O95786 ; Q5HYE1 ; Q5VYT1 ; Q9NT04 ; A2RU81
Molecular Weight	101,377 Da
NCBI Official Full Name	probable ATP-dependent RNA helicase DDX58
NCBI Official Synonym Full Names	DExD/H-box helicase 58
NCBI Official Symbol	DDX58
NCBI Official Synonym Symbols	RIGI; RIG-I; RLR-1; SGMRT2
NCBI Protein Information	probable ATP-dependent RNA helicase DDX58
UniProt Protein Name	Probable ATP-dependent RNA helicase DDX58
UniProt Gene Name	DDX58
UniProt Synonym Gene Names	RLR-1; RIG-1; RIG-I

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/probable-atp-dependent-rna-helicase-ddx58-ddx58/247205>