

Human Alpha adducin (ADD1) ELISA Kit | ADD1 elisa kit

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CATALOG #
AAA245222

REACTIVITY
Human

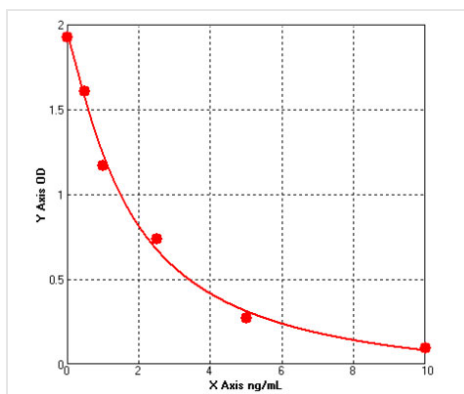
PRODUCT SYNONYMS

Alpha adducin (ADD1); Human Alpha adducin (ADD1) ELISA Kit; ADD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADD1. No significant cross-reactivity or interference between ADD1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADD1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADD1 elisa kit	Principle of the Assay: ADD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ADD1 antibody and an ADD1-HRP conjugate. The assay sample and buffer are incubated together with ADD1-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 ADD1 concentration since ADD1 from samples and ADD1-HRP conjugate compete for the anti-ADD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADD1 from the sample, fewer sites are left to bind ADD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADD1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ADD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ADD1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ADD1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	29826321
NCBI GeneID	118
NCBI Accession #	NP_054908.2
NCBI GenBank Nucleotide #	NM_014189.3
Molecular Weight	56,286 Da
NCBI Official Full Name	alpha-adducin isoform b
NCBI Official Synonym Full Names	adducin 1 (alpha)
NCBI Official Symbol	ADD1
NCBI Official Synonym Symbols	ADDA
NCBI Protein Information	alpha-adducin; erythrocyte adducin alpha subunit
UniProt Protein Name	Alpha-adducin
UniProt Gene Name	ADD1
UniProt Synonym Gene Names	ADDA
UniProt Entry Name	ADDA_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/alpha-adducin-add1/245222>