

Human Ankyrin 1 (ANK1) ELISA Kit | ANK1 elisa kit

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CATALOG #
AAA244282

REACTIVITY
Human

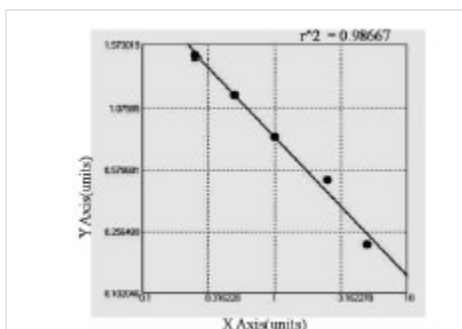
PRODUCT SYNONYMS

Ankyrin 1 (ANK1); Human Ankyrin 1 (ANK1) ELISA Kit; ANK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
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 ANK1 elisa kit

Intended Uses: This ANK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ANK1. This ELISA kit for research use only!

Principle of the Assay: ANK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ANK1 antibody and an ANK1-HRP conjugate. The assay sample and buffer are incubated together with ANK1-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 ANK1 concentration since ANK1 from samples and ANK1-HRP conjugate compete for the anti-ANK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANK1 from the sample, fewer sites are left to bind ANK1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANK1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ANK1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	70780359
NCBI GeneID	286
NCBI Accession #	NP_065209.2
NCBI GenBank Nucleotide #	NM_020476.2
Molecular Weight	17,854 Da
NCBI Official Full Name	ankyrin-1 isoform 1
NCBI Official Synonym Full Names	ankyrin 1, erythrocytic
NCBI Official Symbol	ANK1
NCBI Official Synonym Symbols	ANK; SPH1; SPH2
NCBI Protein Information	ankyrin-1; ANK-1; ankyrin-R; erythrocyte ankyrin
UniProt Protein Name	Ankyrin-1
UniProt Gene Name	ANK1
UniProt Synonym Gene Names	ANK; ANK-1
UniProt Entry Name	ANK1_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://stage.aaabiotech.com/human-elisa-kits/ankyrin-1-ank1/244282>