

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

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CATALOG #
AAA249319

REACTIVITY
Human

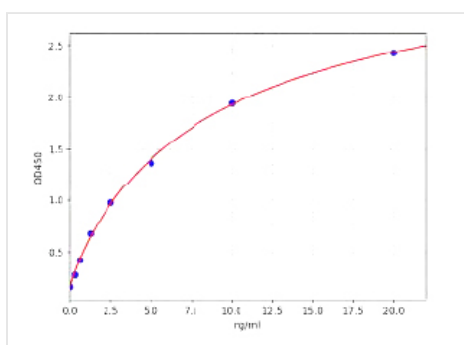
PRODUCT SYNONYMS

ANK1 (Ankyrin-1); Human ANK1 (Ankyrin-1) ELISA Kit; Ankyrin-R; Erythrocyte ankyrin; ANK; ANK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ANK1. No significant cross-reactivity or interference between ANK1 and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANK1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	70780357
NCBI GeneID	286
NCBI Accession #	NP_000028.3
NCBI GenBank Nucleotide #	NM_000037.3
UniProt Accession #	P16157; O43400; Q13768; Q53ER1; Q59FP2; Q8N604; Q99407; A0PJN8; A6NJ23; E5RFL7
Molecular Weight	17,854 Da
NCBI Official Full Name	ankyrin-1 isoform 3
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/ank1-ankyrin-1/249319>