

Human SPTA1 (Spectrin alpha chain, erythrocytic 1) ELISA Kit | SPTA1 elisa kit

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CATALOG #
AAA249646

REACTIVITY
Human

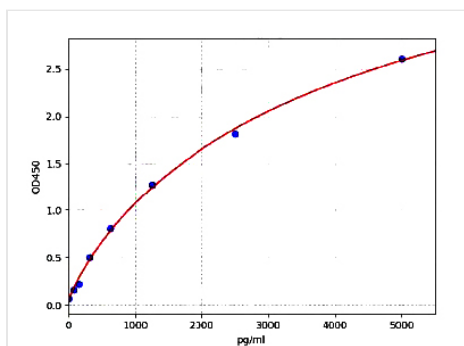
PRODUCT SYNONYMS

SPTA1 (Spectrin alpha chain; erythrocytic 1); Human SPTA1 (Spectrin alpha chain; erythrocytic 1) ELISA Kit; Spectrin alpha chain; erythrocytic 1; Erythroid alpha-spectrin; SPTA; SPTA1; SPTA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SPTA1. No significant cross-reactivity or interference between SPTA1 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	78.125-5000pg/ml
Sensitivity	46.875pg/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 SPTA1 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	308153675
NCBI GeneID	6708
UniProt Accession #	P02549; Q15514; Q5VYL1; Q5VYL2; Q6LDY5
Molecular Weight	279,674 Da
NCBI Official Full Name	Spectrin alpha chain, erythrocytic 1
NCBI Official Synonym Full Names	spectrin, alpha, erythrocytic 1
NCBI Official Symbol	SPTA1
NCBI Official Synonym Symbols	EL2; HPP; HS3; SPH3; SPTA
NCBI Protein Information	spectrin alpha chain, erythrocytic 1; alpha-I spectrin; elliptocytosis 2; erythroid alpha-spectrin; spectrin alpha chain, erythrocyte; spectrin, alpha, erythrocytic 1 (elliptocytosis 2)
UniProt Protein Name	Spectrin alpha chain, erythrocytic 1
UniProt Gene Name	SPTA1
UniProt Synonym Gene Names	SPTA
UniProt Entry Name	SPTA1_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.