

Human SBDP 145 (Alpha II SPECTRIN BREAKDOWN PRODUCT) ELISA Kit | SBDP 145 elisa kit

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CATALOG #
AAA27523

REACTIVITY
Human

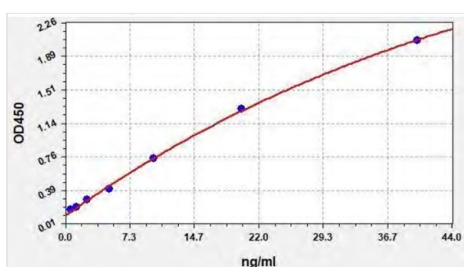
PRODUCT SYNONYMS

SBDP 145 (Alpha II SPECTRIN BREAKDOWN PRODUCT); Human SBDP 145 (Alpha II SPECTRIN BREAKDOWN PRODUCT) ELISA Kit; SBDP145; SBDP-145; SBDP 145 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize SBDP 145, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.625-40ng/ml
Sensitivity	0.375ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
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 SBDP 145 elisa kit	Background: Alpha II spectrin is a cytoskeletal protein involved in maintaining cell shape and integrity. The breakdown product of alpha II spectrin at position 145 is indicative of cytoskeletal damage and neuronal injury. Elevated levels of Alpha II SPECTRIN BREAKDOWN PRODUCT 145 are observed in neurodegenerative diseases and traumatic brain injury. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti SBDP 145 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti SBDP 145 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with SBDP 145 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of SBDP 145 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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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/sbdp-145-alpha-ii-spectrin-breakdown-product/27523>