

Mouse anti-Human Spectrin(alpha and beta) Monoclonal Antibody | anti-SPTA1 antibody

Anti-Spectrin(alpha and beta) antibody (monoclonal)

CATALOG # AAA44898	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

Spectrin(alpha and beta); Monoclonal Antibody; Anti-Spectrin(alpha and beta) antibody (monoclonal); Spectrin alpha chain; erythrocytic 1; Spectrin beta chain; erythrocytic; spectrin; alpha; erythrocytic 1(elliptycytosis 2); beta; EL2; HPP; HS3; SPH3; SPTA; EL3; HS2; SPH2; HSPTB1; Erythroid alpha-spectrin; anti-SPTA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	Spe 1/2
Purity/Purification	Purified by the goat anti-mouse IgG affinity chromatography
Form/Format	Lyophilized from 1.2% sodium acetate, with 2 mg BSA and 0.01mg NaN3 as a preservative
Sequence Length	2419
Applicable Applications for anti-SPTA1 antibody	WB (Western Blot)
Immunogen	Human erythrocyte spectrin.
Reconstitution	1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time.

ADDITIONAL INFORMATION

Related Product Information for anti-SPTA1 antibody	Description: Mouse IgG monoclonal antibody for Spectrin(alpha and beta), spectrin, alpha, erythrocytic 1 (elliptycytosis 2), spectrin, beta, erythrocytic (SPTA1, SPTB) detection. Tested with WB in Human. No cross reactivity with other proteins. Uniprot ID: P02549 Background: Spectrin, the predominant component of the membrane skeleton of the red cell, is essential in determining the properties of the membrane including its shape and deformability. It consists of 2 nonidentical subunits, alpha and beta. Spectrin is present in the red cell membrane in a tetrameric or possibly higher polymeric form through head-to-head self-association of heterodimers that are linked by actin polymers and protein 4.1 to form a 2-dimensional network. Non-erythroid spectrin gene is mapped to human chromosome 2. Spectrin mutations cause spinocerebellar ataxia type 5.
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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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/spectrinalpha-and-beta-antibody-clone-spe-1-2-western-blot-elisa/44898>