

Anti-Spectrin(Alpha And Beta) Antibody (Monoclonal, SB-SP1)

Catalog # ABO10474

Product Information

Application	WB
Primary Accession	Q6XDA0
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Human
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for Spectrin(alpha and beta), spectrin, alpha, erythrocytic 1 (elliptocytosis 2); spectrin, beta, erythrocytic (SPTA1; SPTB) detection. Tested with WB in Human. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Calculated MW	246329 Da
Application Details	Western blot, 2-4 µg/ml, Human
Subcellular Localization	SPTA1: Cytoplasm, cytoskeleton. Cytoplasm, cellcortex. Spta1: Cytoplasm, cytoskeleton. Cytoplasm, cellcortex. SPTB: Cytoplasm, cytoskeleton. Cytoplasm, cellcortex. Sptb: Cytoplasm, cytoskeleton. Cytoplasm, cellcortex.
Protein Name	Spectrin alpha chain, erythrocytic 1; Spectrin beta chain, erythrocytic
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clone Names	SB-SP1
Immunogen	Human erythrocyte spectrin.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the spectrin family.

Protein Information

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.