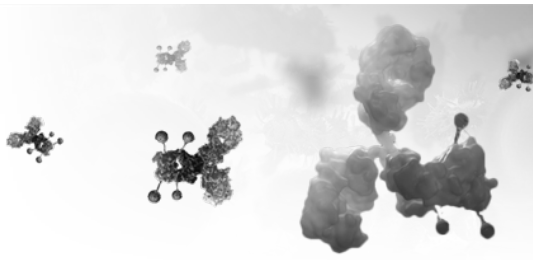

Mouse Anti-Human Spectrin monoclonal antibody, clone JID777 (CABT-L2781)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human Spectrin
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID777
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Bone Marrow
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Spectrin is a protein that acts in actin cross-linking and forming scaffolds of the cytoskeleton, thereby aiding in the determination of cell shape, organization of organelles, and arrangement of transmembrane proteins. It is expressed in many cell types found in muscles, red blood cells, and red cell precursors. Mutations in the spectrin gene result in a number of hereditary red blood cell disorders such as pyropoikilocytosis, spherocytic hemolytic anemia, and elliptocytosis type 2. Anti-Spectrin is also useful in the diagnosis of erythroid leukemias and other non-hereditary erythroid disorders.
Keywords	SPTB;spectrin, beta, erythrocytic;spectrin beta chain, erythrocyte;spherocytosis;clinical type I;beta-I spectrin;membrane cytoskeletal protein;EL3;HS2;SPH2;HSPTB1

GENE INFORMATION

Gene Name	SPTB spectrin, beta, erythrocytic [Homo sapiens (human)]
Official Symbol	SPTB
Synonyms	SPTB; spectrin, beta, erythrocytic; EL3; HS2; SPH2; HSPTB1; spectrin beta chain, erythrocytic; beta-I spectrin; membrane cytoskeletal protein; spectrin beta chain, erythrocyte;
Entrez Gene ID	6710
Protein Refseq	NP_000338
UniProt ID	P11277
Chromosome Location	14q23-q24.2
Pathway	Axon guidance; Developmental Biology; Interaction between L1 and Ankyrins; L1CAM interactions; NCAM signaling for neurite out-growth;
Function	actin binding; actin filament binding; ankyrin binding; protein binding; protein heterodimerization activity; structural constituent of cytoskeleton;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221