

SPTB monoclonal antibody, clone DB2

Catalog # MAB2516 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native SPTB.
Immunogen	Native purified human SPTB.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to the 220kD human erythroid beta-spectrin. The protein is also present in the membranes of human skeletal muscle cells. Erythroid spectrins, some other proteins of erythroid cytoskeleton, and the transmembrane protein band 3 are highly specific to erythrocytes and their progenitors. They are more reliable markers for erythroid differentiation than Glycophorin A, the commonly used marker for erythroid differentiation, because Glycophorin A is expressed also in many cell lines otherwise exhibiting mainly megakaryotic characteristics. Monoclonal antibody to erythroid beta-spectrin is derived from the hybridoma produced by fusion between myeloma cells and Balb/c spleen cells.
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Native Purified Protein.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (1% BSA, 0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

- Immunocytochemistry
- Immunoprecipitation

Gene Info — SPTB

Entrez GeneID	6710
Gene Name	SPTB
Gene Alias	HSpTB1
Gene Description	spectrin, beta, erythrocytic
Omim ID	182870
Gene Ontology	Hyperlink
Gene Summary	beta
Other Designations	beta I spectrin form betal sigma3 beta-spectrin membrane cytoskeletal protein spectrin beta spectrin, beta, erythrocytic (includes sperocytosis, clinical type I) spectrin, beta, erythrocytic (includes sperocytosis, clinical type I) spherocytosis, clinica

Publication Reference

- [Muscle membrane-skeleton protein changes and histopathological characterization of muscle-eye-brain disease.](#)
Auranen M, Rapola J, Pihko H, Haltia M, Leivo I, Soinila S, Virtanen I, Kalimo H, Anderson LV, Santavuori P, Somer H.
Neuromuscular Disorders 2000 Jan; 10(1):16.

Application: IF, Human, Muscle
- [Expression of megakaryocytic and erythroid properties in human leukemic cells.](#)
Tani T, Ylännä J, Virtanen I.
Exp Hematol 1996 Feb; 24(2):158.

Disease

- [Brain Ischemia](#)

- [Genetic Predisposition to Disease](#)
- [Malaria](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)