

Mouse anti-Human Spectrin Monoclonal Antibody

Spectrin

CATALOG # AAA13564	HOST Mouse	REACTIVITY Human
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PRODUCT SYNONYMS

Spectrin; Monoclonal Antibody; anti-Spectrin antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b/K
Clone Number	RBC2/3D5
Form/Format	Anti-Spectrin is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH 7.5, containing BSA and sodium azide as a preservative.
Control	Bone Marrow
Localization	Membranous
Reactivity Note	Paraffin, Frozen
Preparation and Storage	Store at 2 to 8 degree C in the dark.
	Stability: 3 years

IMAGES

Step	ImmunoDetector (AP or HRP)	PolyDetector (AP or HRP)
Peroxidase/AP Blocker	5 minutes	5 minutes
Primary Antibody	30 minutes	45 minutes
Secondary Biotinylated Link	10 minutes	Not Applicable
AP or HRP Label	10 minutes	45 minutes
Substrate-Chromogen	5-10 minutes	10 minutes
Counterstaining	Time varies with counterstain	Time varies with counterstain

IHC (Immunohistochemistry)

Recommended Immunohistochemical Protocol Pretreatment: 1. Cut and mount 3-4 micron formalin-fixed paraffin-embedded tissues on positive charged slides. 2. Air dry for 2 hours at 58° C. 3. Oeparaffinize, dehydrate and rehydrate tissues. 4. Subject tissues to heat epitope retrieval using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate or EDTA. 5. Any of three heating methods may be used: a. Electric Pressure Cooker Place standoff rack at base of pressure cooker. Add 1 -2 inches of distilled water to the pressure cooker and turn heat to high, and incubate for 15 minutes. Open and immediately transfer slides to room temperature. b. Water Bath Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a water bath set at 95°-99° C. Incubate for 30-60 minutes. c. Conventional Steamer Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a Steamer, cover and steam for 30-60 minutes. 6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes. 7. Wash slides with IHC wash buffer or 01 water. 8. Continue IHC staining protocol.

Antibody Type	Dilution	Volume/QTY
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Information

ADDITIONAL INFORMATION

Related Product Information for anti-Spectrin antibody	Spectrin is a cytoskeletal protein that lines the intracellular side of the plasma membrane of many cell types in pentagonal or hexagonal arrangements, forming scaffolds and playing an important role in maintenance of plasma-membrane integrity and cytoskeletal structure. The hexagonal arrangements are formed by tetramers of spectrin associating with short actin filaments at either end of the tetramer. These short actin filaments act as junctional complexes, allowing the formation of the hexagonal mesh. Spectrin is found in the intracellular side of the plasma membrane of many cell types found in muscles, red blood cells and red cell precursors. Anti-Spectrin antibody is useful in the identification of Erythroid Leukemias.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	326432335
NCBI Official Full Name	spectrin

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/spectrin-antibody-clone-rbc2-3d5-elisa/13564>