

## Product datasheet for **AM20668PU-N**

### alpha 1 Spectrin (SPTA1) Mouse Monoclonal Antibody [Clone ID: Spe 1/2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Spe 1/2
Applications:	WB
Recommended Dilution:	Western Blot: 2 - 4 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human erythrocyte spectrin
Specificity:	This antibody reacts to Spectrin (erythrocyte) (alpha / beta).
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	spectrin alpha, erythrocytic 1
Database Link:	<a href="#">Entrez Gene 6708 Human P02549</a>



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- 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.
- Synonyms:** SPTA, Erythroid alpha-spectrin