bsm-33272M

[Primary Antibody]

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- DATASHEET -

Host: Mouse Isotype: IgG
Clonality: Monoclonal CloneNo.: 6A10
GeneID: 87 SWISS: P12814

Target: Alpha-actinin-1

Purification: affinity purified by Protein G

Alpha-actinin-1 Mouse mAb

Concentration: 1mg/ml

Storage: Size: 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Size: 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the

alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a nonmuscle, cytoskeletal, alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Three transcript variants encoding different isoforms have been found for

this gene. [provided by RefSeq, Jul 2008]

Applications: IHC-P (1:100-500)

400-901-9800

IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse,

Rat)

Predicted MW.: 103 kDa

Subcellular Location: Cytoplasm

- SELECTED CITATIONS -

• [IF=5.5] Chen, Yejia. et al. Complement C5a induces the generation of neutrophil extracellular traps by inhibiting mitochondrial STAT3 to promote the development of arterial thrombosis. THROMB J. 2022 Dec;20(1):1-14 WB; Human. 35488279