AM06160SU-N

Monoclonal Antibody to S100A1 - Ascites

Alternate names:
S-100 protein alpha chain, S-100 protein subunit alpha, S100 alpha, S100 calcium-binding protein A1, S100-A1, S100A

Quantity:
0.1 ml

Background:
S100 calcium binding protein A1 (S100-alpha/ S100A1), it is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca2+-induced Ca2+ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.

Uniprot ID: P23297
NCBI: NP_006262.1
GeneID: 6271
Host / Isotype: Mouse / IgG1
Clone: 2C8B8
Immunogen: Purified recombinant fragment of S100A1 expressed in E. Coli.
Format: State: Ascitic fluid
Preservatives: 0.03% Sodium Azide
Applications:
ELISA: 1/10000.
Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
Recognizes S100 calcium binding protein A1 (S100-alpha/ S100A1).
Species Reactivity:
Tested: Human.
Storage:
Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
3. Pingerelli PL, Mizukami H, Wagner AS, Bartnicki DE, Oliver JP. Investigation of the Ca2(+) dependent interaction of trifluoperazine with S100a: a 19F NMR and circular...

Pictures:

Immunohistochemical analysis of paraffin-embedded human brain tissue (A), lymphoid follicles tissue (B) and interbrain tissue (C), showing cytoplasmic localization using S100A antibody Cat.-No AM06160SU-N with DAB staining.

Western blot analysis using S100A antibody Cat.-No AM06160SU-N against truncated S100A recombinant protein.