Recombinant S100A1 Monoclonal Antibody

catalog number: **AN301707L**

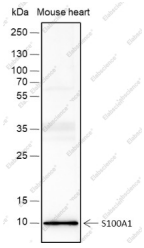
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse
Immunogen	Synthetic peptide derived from human S100A1 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C211329
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500
IHC	1:200-1:1000
IF	1:50
FCM	1:50-1:100

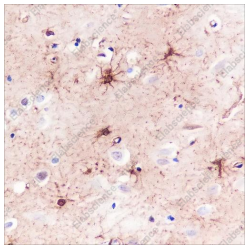
Data



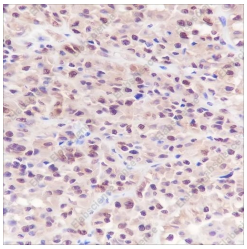
Western Blot with S100A1 Monoclonal Antibody at dilution of 1:500. Lane 1: Mouse heart

Observed-MW:11 kDa

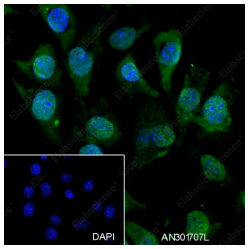
Calculated-MW:11 kDa



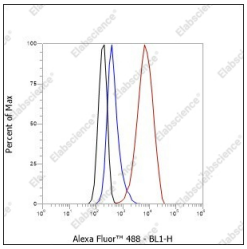
Immunohistochemistry of paraffin-embedded Human cerebrum using S100A1 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human melanoma using S100A1 Monoclonal Antibody at dilution of 1:1000.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed C2C12 cells using anti-S100A1 Monoclonal Antibody at dilution of 1:50.



Flow cytometric analysis of human S100A1 expression on C2C12 cells. Cells were stained with purified anti-Human S100A1, then a Alexa Fluor 488-conjugated second step antibody. The histogram were derived from events with the forward and side light-scatter characteristics of intact cells.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

S100A1 is a member of the S100 protein family, each of which contains two EF-hand calcium-binding motifs. These proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and are involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. At least 13 S100 genes are clustered on chromosome 1q21. S100A1 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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com