

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse S100A11 in direct ELISAs and Western blots. In direct ELISAs, ;no cross-reactivity with recombinant mouse S100A1, 4, 6, 8, 9, 10, 13, or 16 is observed, and approximately 75% cross-reactivity with recombinant human (rh) S100A11 is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 493804
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse S100A11 Met1-Ile98 Accession # P50543
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

S100A11, also called calgizzarin or S100C, is an antiproliferative 10 kDa protein that is a member of the S100 family of EF-hand calcium binding proteins. It is found in the cytosol of proliferating fibroblasts and keratinocytes, but in the nucleus in differentiating cells. TGF-β treatment or calcium-induced S100A11 serine phosphorylation induces nuclear translocation of S100A11 and subsequent growth inhibition in normal cells. The 98 amino acid (aa) mouse S100A11 shares 82% and 94% aa identity with human and rat S100A11, respectively.

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