

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse S100A10 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse (rm) S100A4, rmS100A8, rmS100A9, recombinant human (rh) S100B, or rhS100P is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 344015
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse S100A10 Met1-Lys97 Accession # P08207
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	TK-1 mouse T cell lymphoma cell line

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

S100A10, also called p11, is a 97 amino acid member of the S100 family of EF hand proteins, but does not bind calcium. It is primarily found, either within or on the surface of mast cells, as a complex of two annexin A2 subunits with two S100A10 subunits. Extracellular S100A10 is a plasminogen receptor important for plasmin production and cellular invasiveness. Intracellular S100A10 may target ligands to the endoplasmic reticulum. Mouse S100A10 shows 92% amino acid identity with human S100A10.

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