Human S100A6 Alexa Fluor® 750-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 754102

Catalog Number: FAB7467S

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human S100A6 in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant mouse S100A6 and no cross-reactivity with recombinant human (rh) S100A1, rhS100A4, or rhS100B is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 754102
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human S100A6 Met1-Gly90 Accession # P06703
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.
Immunohistochemistry	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

S100A6, also called PRA (prolactin receptor-associated protein) and calcyclin, is a 10 kDa member of the S100 family of calcium-binding proteins. Human S100A6 is 90 amino acids (aa) in length and contains two calcium-binding EF-hand domains (aa 12 - 47 and 48 - 83). Intracellularly, S100A6 will both noncovalently homodimerize and heterodimerize with S100B plus SGT1. Extracellularly, it is secreted via a noncanonical pathway and binds to RAGE, inducing apoptosis. It is expressed by neurons, endothelium, fibroblasts and glandular epithelia. Human S100A6 shares 95% aa sequence identity with mouse and rat S100A6. This antibody detects mouse S100A6 in Western Blots. Mouse cross-reactivity has not been tested in Immunohistochemistry

PRODUCT SPECIFIC NOTICES

Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475