Human/Mouse ASAM Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7356T
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse recombinant ASAM in direct ELISAs. Detects human and mouse ASAM in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse ASAM Thr18-Ala234 Accession # Q8R373
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.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	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

ASAM (Adipocyte-specific adhesion molecule; also ACAM, CLMP, Asp5 and CXADR-like protein) is a 44-48 kDa member of the CTX family of molecules. It is expressed on adipocytes as well as select epithelial cells such as respiratory and intestinal epithelium, keratinocytes and Sertoli cells. ASAM appears to contribute to tight junction formation, and may promote the transition of preadipocytes to adipocytes. Mature mouse ASAM is a 356 amino acid (aa) type I transmembrane glycoprotein. It contains a 217 aa extracellular region (aa 18-234) that is characterized by the presence of two C2 type Ig-like domains (aa 18-126 and 134-223), and possesses a C-terminal 118 aa cytoplasmic domain. The extracellular region of mouse ASAM (aa 18-234) shares 97% and 100% aa sequence identity with human and rat ASAM, respectively.

PRODUCT SPECIFIC NOTICES

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