

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse TCAM-1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse TCAM-1 Ala18-Gly481 Accession # AAH50746
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

Mouse TCAM-1 (Testicular cell adhesion molecule-1) is a 59 kDa (predicted) type I transmembrane protein that is a member of the intracellular adhesion molecule (ICAM) family belonging to the immunoglobulin (Ig) superfamily (1). It is synthesized from a 548 amino acid (aa) precursor that contains an 18 aa signal sequence, a 465 aa extracellular region, a 25 aa transmembrane region, and a short cytoplasmic tail of 40 aa. The extracellular region contains five Ig domains and six potential N-linked glycosylation sites (1). Mouse TCAM-1 is 89% identical to rat TCAM-1. Expression of TCAM-1 is detected in the embryo on day 17 and in adult testis, and correlates with the presence of pachytene spermatocytes and spermatids in mouse testis development (1).

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