

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TMEFF1/Tomoregulin-1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant mouse TMEFF1 or recombinant human TMEFF2 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 249511
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human TMEFF1/Tomoregulin-1 Ser40-Thr328 Accession # Q81YR6
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

TMEFF1 (Transmembrane protein with EGF-like and two Follistatin-like domains 1), also known as tomoregulin 1 is a type I transmembrane glycoprotein that contains two follistatin modules and an EGF domain in its extracellular domain, a transmembrane domain and a short cytoplasmic tail. The extracellular domain can be released as a soluble protein. TMEFF1 selectively regulates nodal but not activin signaling through direct binding to the nodal co-receptor, Cripto.

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