

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TEX19 in direct ELISAs and Western blots. In direct ELISAs, less than 2% cross-reactivity with recombinant human TEX11 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human TEX19 Met1-Ser164 Accession # Q8NA77
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
Immunocytochemistry	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

TEX19 (testis expressed sequence 19) is an 18 kDa (predicted) protein with restricted cell expression. It is expressed in spermatogonia as well as pluripotent stem cells. TEX19 has been found in both nucleus and cytoplasm. Functionally, TEX19 is proposed to guard against inappropriately activated endogenous retroviruses during meiosis, and thus prevent deleterious mutations. Human TEX19 is 164 amino acids (aa) in length. There is no identifiable structural module within the protein. There are, however, two sequences that are conserved in TEX19 from multiple species. These are an MCP domain between aa 1-58, and a VPTEL domain that spans aa 120-157. Over aa 1-164, human TEX19 shares only 53% aa identity with a highly divergent and substantially larger 42 kDa mouse TEX19.1 protein.

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