

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects recombinant mouse Testisin/Prss21 in direct ELISAs and Western blots. Detects mouse and rat Testisin/Prss21 in Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) Prss8 and rmPrss27 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Testisin/Prss21 Gln28-Asn298 Accession # Q9JHJ7
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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

Testisin is a serine protease encoded by the PRSS21 gene. Testisin is similar in structure to tryptases, and is also known as Tryptase-4 (1). It is predicted to have substrate specificity similar to that of trypsin (2). Testisin is most highly expressed in testicular germ cells, but is also present in eosinophils (3). Testisin is known to be required for spermatogenesis, and deficiencies of the enzyme can result in infertility (4, 5). Testisin is anchored to the cell surface through a C-terminal glycosylphosphatidylinositol anchor (6). Recombinant mouse Testisin is expressed with a truncated C-terminus, resulting in its secretion. The recombinant protein was purified as the zymogen and can undergo autoactivation under the appropriate conditions. Over aa 28-298, mouse Testisin shares 92% aa identity with rat Testisin.

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