

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 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.
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.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.