

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects recombinant mouse Follistatin-like 4/FSTL4 in direct ELISAs. Detects human, mouse, and rat Follistatin-like 4/FSTL4 in Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) FSTL4 is observed, and
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Follistatin-like 4/FSTL4 Trp23-Val841 Accession # Q5STE3
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

FSTL4 (Follistatin-like protein 4; also FSL4, SPIG1 and D/Bsp1201-1) is a likely secreted, 90 kDa (predicted) member of the follistatin gene family of TGF-β superfamily inhibitors. It is widely expressed, being found in neurons (retinal ganglion and cerebellar Purkinje cells), cardiac muscle cells, smooth muscle cells and intestinal epithelium. Mature mouse FSTL4 is 819 amino acids (aa) in length (aa 23-841). It contains one kazal-like domain (aa 80-134), an EF-hand motif (aa 173-208), and two Ig-like domains (aa 250-336 and 340-425). There are two potential splice forms, one that shows an alternative start site at Met315, and a second that possesses a His residue substitution for aa 518-841. Full-length mature mouse FSTL4 shares 95% and 84% aa identity with rat and human FSTL4, respectively.

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.