

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Cerebellin-4 in direct ELISAs. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) Cerebellin-1 is observed, and less than 5% cross-reactivity with rhCerebellin-2 and rhCerebellin-3 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human Cerebellin-4 Gln28-Leu201 Accession # Q9NTU7
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.

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

CBLN4 (Cerebellin-4) is a 26-35 kDa, secreted glycoprotein member of the C1q/TNF Superfamily of molecules. It is expressed in developing Sertoli cells and select neurons in the dorsal raphe, entorhinal cortex and arcuate nucleus. In the testis, it likely promotes cell differentiation; in the brain, it is possible that it participates in synapse formation via an interaction with neurexin. Mature human CBLN4 is 174 amino acids (aa) in length (aa 28-201). It contains two N-terminal cysteines that mediate homoheptamer formation, and a C-terminal C1q domain (aa 66-201) that promotes homotrimer formation. CBLN4 also reportedly has the potential to multimerize with the other CBLN-related molecules, CBLN1-3. Mature human CBLN4 shares 99% aa identity with mouse CBLN4.

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.