

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse DMBT1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse DMBT1 Trp215-Gly420 Accession # Q60997
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

DMBT1 (Deleted in malignant brain tumor-1; also MUC1N, Hensin, CRP-Ductin, and gp300/350) is a 230-350 kDa member of the DMBT1 family of molecules. It is expressed by select cell types, including macrophages, intestinal epithelium, and pancreatic acinar cells. DMBT1 is both transmembrane (TM) and secreted, and possesses multiple activities that may be predicated on multimerization. It drives epithelial differentiation, binds Gm⁺ and Gm⁻ bacteria, and associates with cytoskeletal actin. Mouse DMBT1 is a type I TM glycoprotein 2085 amino acids (aa) in length. Its extracellular region contains eight SRCR repeats (aa 31-980, plus 1510-1610), five CUB domains (aa 1023-1490, plus 1633-1742), and a ZP segment (aa 1751-1999). Multiple splice variants exist. There are deletions of aa 584-733, 397-534, 593-731 and, 2032-2085 (within the TM segment), plus an insertion of 11 aa after Asp29. Over aa 215-420, mouse DMBT1 shares 75% aa identity with human DMBT1.

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.