

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FABP8 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human FABP1, 2, 3, 4, 5, 6, 7, or 9 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 631306
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FABP8/M-FABP Ser2-Val132 Accession # P02689
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

FABP8 (fatty acid binding protein-8; also M [myelin]-FABP, P2 and PMP2) is a 15 kDa (predicted) member of the fatty acid binding protein family, calycin superfamily of molecules. It is found in Schwann cells, presumably on the cytoplasmic face of the plasma membrane where it may contribute to fatty acid transport across myelin. Functionally, FABP8 has a high affinity for U-shaped fatty acids such as oleic and palmitic acid. Human FABP8 is 132 amino acids (aa) in length and exhibits two layers of antiparallel β -strands that envelope a hydrophobic pocket for lipid binding. Arg107 plus Arg127-Ile128-Tyr129 participate in fatty acid binding. Full length human FABP8 shares 87% and 95% aa identity with mouse and rabbit FABP9, 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.