

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Fas Ligand/TNFSF6 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human Fas Ligand is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Fas Ligand/TNFSF6 Pro132-Leu279 Accession # Q544E9
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.

Neutralization	Optimal dilution of this antibody should be experimentally determined.
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

Fas ligand (FasL) is a 40 kDa type II membrane protein belonging to the TNF family. In the new TNF super family nomenclature, FasL is referred to as TNFSF6. The specific receptor for FasL is Fas (CD95, Apo-1), a 45 kDa type I transmembrane protein that is a member of the TNF receptor family. FasL is predominantly expressed on activated T cells and NK cells, while Fas is expressed on various types of cells. The Fas/FasL system plays a crucial role in modulating immune response by inducing cell apoptosis to maintain homeostasis, self-tolerance of lymphocytes, and immune privilege. FasL was reported to be a potent chemoattractant for neutrophils, suggesting a novel proinflammatory function of this molecule. Like other members of the TNF family, the membrane-bound FasL can be cleaved by metalloproteinase to generate the soluble Fas ligand (sFasL) which is mainly a non-covalently linked homotrimer. It has been shown that the membrane-bound TNF-α and FasL are primary activators of their receptors. In contrast to soluble TNF-α which has potent cytotoxicity, sFasL is much less cytotoxic. Studies have shown that sFasL may competitively inhibit the killing effect of membrane FasL indicating that the cleaving of membrane FasL might be a mechanism to down-regulate their activities.

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.