Human IGFLR1 Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 905338

Catalog Number: FAB8296T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IGFLR1in direct ELISAs.
Source	Monoclonal Mouse IgG_{2A} Clone # 905338
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived recombinant human IGFLR1 Met1-Pro163 Accession # Q9H665
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and 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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	Human peripheral blood lymphocytes

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. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months, 2 to 8 °C under sterile conditions after opening.

BACKGROUND

Insulin Growth Factor-like Family Receptor 1 (IGFLR1) is a 355 amino acid (aa) type 1a transmembrane protein that was identified in a screen for binding partners of human IGFL-1 (1). Mature human IGFLR1 consists of an extracellular domain (ECD) with two putative cysteine-rich domains (CRDs), a transmembrane region, and a cytoplasmic domain (1). Its structure has similarities to TNF receptor family members (1). Over the first 163 aa, human IGFLR1 shares 61% and 59% aa sequence identity with mouse and rat IGFLR1, respectively. In mice, IGFLR1 is expressed primarily on T cells and, similar to the human proteins, mouse IGFLR1 binds the mouse IGFL protein (1). Human IGFL-1 expression is enhanced by TNF-α treatment and was shown to be up-regulated in human psoriatic skin samples, suggesting that IGFLR1 may have a role during skin inflammation (1).

References:

1. Lobito, A.A. *et al.* (2011) J. Biol. Chem. **286**:18969.

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.

Bio-Techne®

Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956

USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449

China | info.cn@bio-techne.com TEL: 400.821.3475