

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse IGSF2/CD101.
Source	Monoclonal Rat IgG _{2A} Clone # 307707
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse IGSF2/CD101 Gln21-Tyr1033 Accession # A8E0Y8
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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	Mouse peripheral blood GR-1 ⁺ granulocytes

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

IGSF2, also known as CD101, is an Ig-superfamily transmembrane protein. It is expressed on dendritic cells, Langerhans cells, granulocytes, and activated T cells. IGSF2 ligation is involved in T cell activation. Polymorphisms in IGSF2 are associated with susceptibility to type I diabetes. The extracellular domains of mouse and human IGSF2 share 70% amino acid sequence identity.

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