

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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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	2.5 µg/10 ⁶ cells	Mouse peripheral blood GR-1 ⁺ granulocytes
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.