

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human TDAG8/GPR65 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 976128
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human TDAG8/GPR65 Met1-Glu337 Accession # Q8IYL9
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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	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

Human G Protein-Coupled Receptor 65 (GPR65), also known as T-Cell Death-Associated Gene 8 Protein (TDAG8) and Psychosine Receptor, is a 337 aminoacids proton-sensing GPCR primarily expressed in lymphoid tissues and is uniquely expressed in Th17 cells; mice deficient in GPR65 are resistant to autoimmunity. GPR65 senses pH by protonation of histidine residues on its extracellular domain. Many pH-sensing G protein-coupled receptors have emerged as potential therapeutic agents in conditions that involve the response to acidotic stress.

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