

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR83 in direct ELISAs
Source	Monoclonal Mouse IgG ₁ Clone # 566133
Purification	Protein A or G purified from cell culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR83 Accession # Q9NYM4
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

Flow Cytometry	Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Sample used for this experiment was HEK293 Human Cell Line Transfected with Human GPR83 and eGFP
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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

GPR83 is an orphan G protein-coupled receptor most homologous to the tachykinin and neuropeptide Y receptors. GPR83 is involved in the conversion of naive CD4+CD25- T-cells into CD4+Foxp3+ Treg cells during inflammatory immune responses in vivo.

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