

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 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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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