

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GPR75 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 689714
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human GPR75 Accession # O95800
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. *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 GPR75 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. 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

GPR75 is a 540 amino acid, 7-transmembrane G-protein-coupled glycoprotein receptor mainly expressed in retinal pigment epithelial cells and brain. Polymorphisms in humans have been associated with macular degeneration. GPR75 has been identified as a receptor for CCL5/RANTES in the brain. Collectively, the extracellular domains of human GPR75 share 75% amino acid sequence identity with the corresponding regions of mouse and rat GPR75.

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