Human LPAR4/LPA$_4$ Alexa Fluor® 594-conjugated Antibody

Monoclonal Mouse IgG$_{2A}$ Clone # 561203

Catalog Number: FAB10217T

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LPAR4/LPA$_4$ in direct ELISAs.
Source	Monoclonal Mouse IgG$_{2A}$ Clone # 561203
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived transfected with human LPAR4/LPA$_4$ Accession # Q99677
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.*

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10^6 cells	HEK293 Human Cell Line Transfected with Human LPAR4 and eGFP

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

Lysophosphatidic acid receptor 4, also known as LPA4, P2Y purinoceptor 9 (P2RY9) or GPR23, is a protein that in humans is encoded by the LPAR4 gene. LPA4 is a G protein-coupled receptor (GPCR) that binds the lipid signaling molecule lysophosphatidic acid (LPA) and mediates diverse cellular activities. Most LPA receptors share similarities with members of the S1P1/Edg family. GPA4, originally named P2Y9/GPR23, has been described as a fourth LPA receptor, LPA4, that together with LPA5 and LPA6 form a subfamily of LPA receptors structurally distant from the Edg family.

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