

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LPAR1/LPA ₁ /EDG-2 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 999807
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human LPAR1/LPA ₁ /EDG-2 Met1-Lys50 Accession # Q92633
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.

Immunohistochemistry 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

Lysophosphatidic acid receptor 1, LPAR1, also known as EDG-2, is a G protein-coupled receptor that binds the lipid signaling molecule lysophosphatidic acid (LPA). EDG molecules are G protein-coupled receptors that bind plasma lysophospholipids. The EDG family consists of two subfamilies; the S1P (sphingosine-1-phosphate) subfamily consisting of EDG-1, 3, 5, 6, and 8, and the LPA subfamily that contains EDG-2, 4 and 7. The S1P family regulates essential cellular processes such as proliferation, migration, cytoskeletal organization, and differentiation.

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