

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LPAR-1/LPA ₁ /EDG-2 in direct ELISAs.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human LPAR-1 CD33 protein containing the sequences for the four extracellular domains, amino acids (aa) 1-50, aa112-125, aa190-205 and aa281-294 Accession # Q92633
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

Western Blot 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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