RD SYSTEMS a biotechne brand

Human LPAR1/LPA₁/EDG-2

Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG₁ Clone # 1020714 Catalog Number: FAB99631U

100 µg

DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human LPAR1/LPA1/EDG-2 in direct ELISAs.		
Source	Monoclonal Mouse IgG ₁ Clone # 1020714		
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 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 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.			
	Recommended Concentration	Sample	
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human PBMC Monocytes	

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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