

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse FPRP/PTGFRN in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse FPRP/PTGFRN Arg22-Pro832 Accession # NP_035327
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	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

FPRP (F_{2α} Prostaglandin receptor Regulatory Protein; also CD315, EWI-F and CD9 partner-1/P-1) is a 130 kDa type I transmembrane (TM) glycoprotein member of the EWI subfamily, Ig superfamily of molecules. It associates with the 7-TM prostaglandin F_{2α} receptor, inhibiting its activity. It also forms complexes with 4-TM CD9 and CD81, linking these molecules to the intracellular actin cytoskeleton. Mature mouse FPRP is 858 amino acids (aa) in length. Its extracellular domain (ECD) contains six C2-type Ig-like domains (aa 22-813) plus a Pro-Thr-Glu-Leu ER retention signal. The ECD of mouse FPRP (aa 22-832) shares 89% and 98% aa identity with the ECD of human and rat FPRP, respectively.

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