

FPR3 Conjugated Antibody

Catalog No: #C37576



Package Size: #C37576-AF350 100ul #C37576-AF405 100ul #C37576-AF488 100ul
 #C37576-AF555 100ul #C37576-AF594 100ul #C37576-AF647 100ul
 #C37576-AF680 100ul #C37576-AF750 100ul #C37576-Biotin 100ul

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Description

Product Name	FPR3 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total FPR3 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human formyl peptide receptor 3
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	FMLPY; FPRH1; FPRH2; FPRL2; RMLP-R-I; FML2_HUMAN
Accession No.	Swiss-Prot#:P25089NCBI Gene ID:2359NCBI Protein#:NP_710163
Uniprot	P25089
GeneID	2359;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The N-formyl peptide receptor (FPR) family is comprised of three members, FPR, FPR3 (also designated FPRL1, lipoxin A4 receptor, FPRH1 or FPR2) and FPR like-2 (FPRL2), all of which are chemotactic G protein-coupled receptors that contain seven transmembrane domains. These receptors are found on the surface of phagocytic leukocytes, such as neutrophils and monocytes, and each family member contains specific residues, which are responsible for determining its ligand specificity. FPR3 is a promiscuous receptor that binds to several ligands, including lipoxin A4, N-formyl-methionyl-leucyl-phenylalanine (fMLP), serum amyloid A (SAA), prion peptide and the 42 amino acid form of beta amyloid. Upon activation, FPR3 induces migration and calcium mobilization in human monocytes and neutrophils and is involved in inflammatory and host defense responses. FPR3 may mediate inflammation in prion and Alzheimer's diseases, which makes it a potential target for therapeutic agents.

Note: This product is for in vitro research use only