

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FPR1. Stains human FPR1-transfected cells but not irrelevant transfectants.
Source	Monoclonal Mouse IgG _{2A} Clone # 350418
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human FPR1 Met1-Lys350 Accession # NP_002020
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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 whole blood 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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

FPR1, FPRL1, and FPRL2 constitute a group of 7-transmembrane segment chemotactic receptors that are expressed on phagocytes. FPR1 binding of bacterial N-formyl-methionyl peptides draws neutrophils to sites of infection and promotes degranulation. Human and mouse FPR1 share 73% amino acid sequence identity.

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