

DESCRIPTION

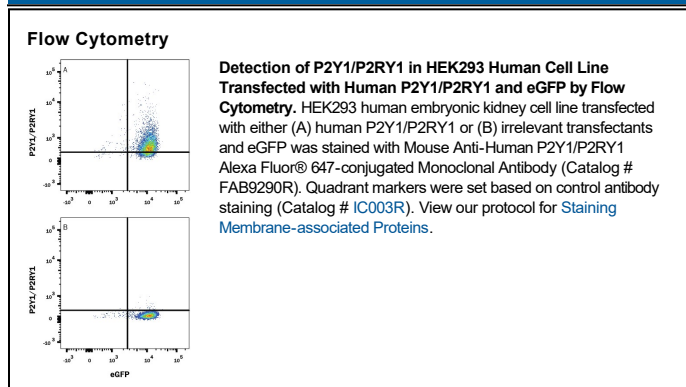
Species Reactivity	Human
Specificity	Stains human P2Y1/P2RY1 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG _{2A} Clone # 479509
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human cell line transfected with human P2Y1/P2RY1 Accession # NP_002554
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 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	5 µL/10 ⁶ cells	See Below

DATA



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

P2RY1 belongs to the family of G protein-coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. P2RY1 functions as a receptor for extracellular ATP and ADP. In platelets, binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C. ADP binding also may lead to a change in platelet shape and possible platelet aggregation.

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