

DESCRIPTION

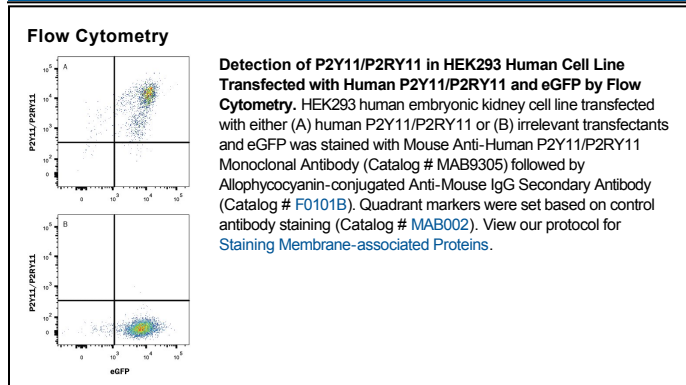
Species Reactivity	Human
Specificity	Stains human P2Y11/P2RY11 transfectants but not irrelevant transfectants in flow cytometry.
Source	Monoclonal Mouse IgG ₁ Clone # 505214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human P2Y11/P2RY11 Accession # Q96G91
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

P2RY11 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. P2RY11 is coupled to the stimulation of the phosphoinositide and adenylyl cyclase pathways and behaves as a selective purinoceptor. Naturally occurring read-through transcripts, resulting from intergenic splicing between P2RY11 and an immediately upstream gene (PPAN, encoding pater pan homolog), have been found. Variants in the P2RY11 gene have been associated with narcolepsy.