

DESCRIPTION

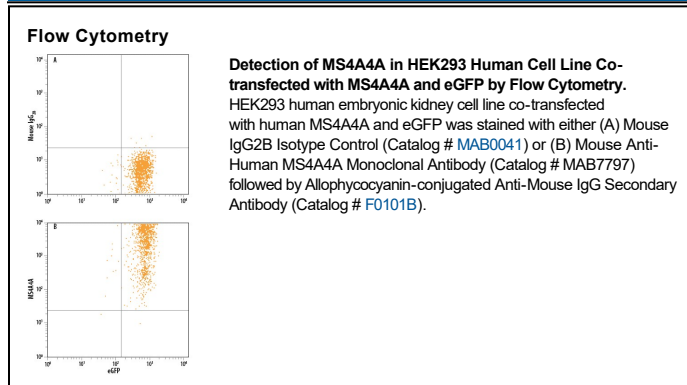
Species Reactivity	Human
Specificity	Detects human MS4A4A.
Source	Monoclonal Mouse IgG _{2B} Clone # 818112
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0 transfected with human MS4A4A Accession # Q96JQ5
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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	2.5 µL/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	Sterile PBS to a final concentration of 0.5 mg/mL.
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

MS4A4A, also called CD20-like 1, is a 23 kDa (predicted) member of the MS4A family of four-transmembrane proteins that includes CD20 (MS4A1) and Fce Rib (MS4A2). MS4A4 cDNA is detected in hematopoietic cell lines, with highest expression in myeloid and B cell lines. Expressed sequence tags are detected in multiple organs and tissues. Human MS4A4A shares ~60% amino acid sequence identity with mouse and rat MS4A4A, if sequence gaps at the cytoplasmic N and C termini are disregarded. One potential isoform lacks aa 130-182, which includes the 3rd transmembrane segment and the first of two extracellular regions.