

DESCRIPTION

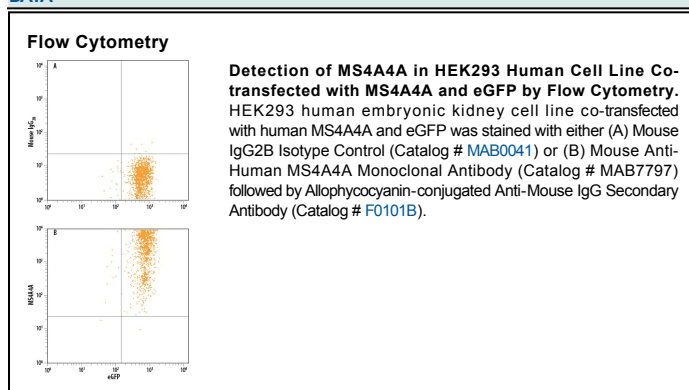
| | |
|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects human MS4A4A. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 818112 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | Mouse myeloma cell line NS0 transfected with 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 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 |

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 Fcε R1b (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.