

DESCRIPTION

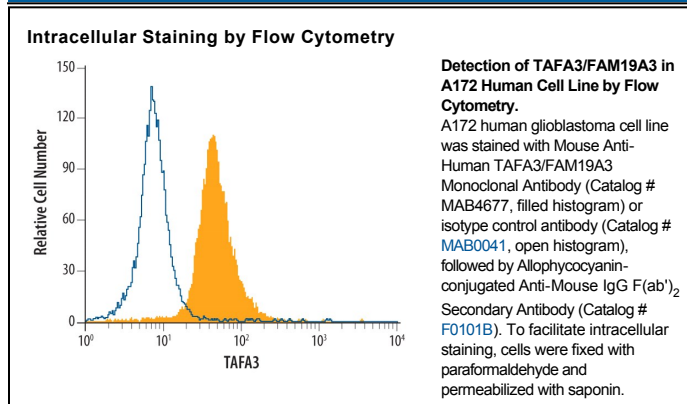
| | |
|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects human TFAF3/FAM19A3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human TFAF1, 2, 4, or 5 is observed. |
| Source | Monoclonal Mouse IgG _{2B} Clone # 460904 |
| Purification | Protein A or G purified from hybridoma culture supernatant |
| Immunogen | <i>E. coli</i> -derived recombinant human TFAF3/FAM19A3 Ala31-Arg133 Accession # Q7Z5A8 |
| 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 |
|---|--|--|
| Western Blot | 1 µg/mL | Recombinant Human TFAF3/FAM19A3 under non-reducing conditions only |
| Intracellular Staining by Flow Cytometry | 2.5 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

TFAF3 (also FAM19A3) is an 11 kDa (predicted) member of the FAM19/TFAF family of 5 proteins that show differential expression in the brain. It is probably a secreted protein. TFAF 1-4 proteins bear chemokine-like signatures, and are distantly related to MIP-1α, sharing its CC motif. A conserved 10 cysteine pattern suggests multiple disulfide linkages. Mature human TFAF3 is 103 aa in length and has no predicted N-linked glycosylation sites. It shares 86% aa identity with mouse TFAF3. A potential 131 aa isoform diverges at aa 59 of the mature sequence.