Human FRS2 APC-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 462902

Catalog Number: FAB40691A
100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FRS2 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 462902
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human FRS2 Asn121-Asn449 Accession # Q8WU20
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 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.

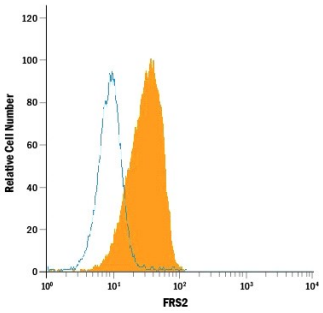
APPLICATIONS

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	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of FRS2 in A172 Human Cell Line by Flow Cytometry. A172 human glioblastoma cell line was stained with Mouse Anti-Human FRS2 APC-conjugated Monoclonal Antibody (Catalog # FAB40691A, filled histogram) or isotype control antibody (Catalog # IC0041A, open histogram). View our protocol for Staining Membrane-associated Proteins.

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

FRS2 (FGFR Substrate 2; also known as SNT and FSR2-α) is a 70–90 kDa member of the FSR family of lipid-anchored docking proteins. It is an intermediary between FGF and TRK receptors, and their Ras/MAPK signaling cascades. Human FRS2 is 512 amino acids (aa) in length. It contains a membrane-anchoring myristoylation signal (aa 1–6), a PTB domain that interacts with FGF and NGF receptors (aa 13–115), and a C-terminal Tyr-rich region that serves as a docking site for Grb2 and Shp2 (aa 196–471). One splice form shows a deletion of the C-terminal four amino acids. Over aa 121–449, human FRS2 is 99% and 94% aa identical to dog and mouse FRS2, respectively.

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