Human Protocadherin-19 APC-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 921614
Catalog Number: FAB8626A
25 Tests

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Protocadherin-19 in direct ELISA and flow cytometry.
Source	Monoclonal Mouse IgG_{2B} Clone # 921614
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human Protocadherin-19 Met1-Ser678 Accession # Q8TAB3
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.

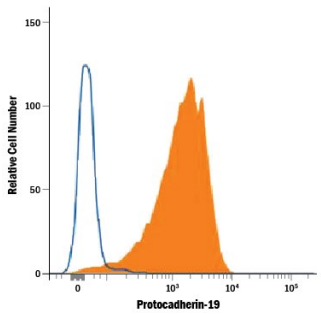
APPLICATIONS

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

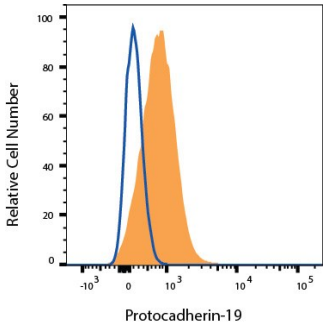
DATA

Flow Cytometry



Detection of Protocadherin-19 in SH-SY5Y Human Cell Line by Flow Cytometry. SH-SY5Y human neuroblastoma cell line was stained with Mouse Anti-Human Protocadherin-19 APC-conjugated Monoclonal Antibody (Catalog # FAB8626A, filled histogram) or isotype control antibody (Catalog # Catalog # IC0041A, open histogram). View our protocol for Staining Membrane-associated Proteins.

Flow Cytometry



Detection of Protocadherin-19 in Jurkat Human Cell Line by Flow Cytometry. Jurkat human T cell leukemia cells were stained with Mouse Anti-Human Protocadherin-19 APC-conjugated Monoclonal Antibody (Catalog # FAB8626A, 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

Protocadherin 19 (PCDH19) is a member of the d2 subfamily of the non-(gene) clustered group of the PDCH (Protocadherin) family that belongs to the Cadherin superfamily of molecules. d2 subfamily members are characterized by both the absence of a Protein Phosphatase-1α binding domain, and the presence of the two short amino acid motifs in their cytoplasmic domains. PDCH19 is found in the basal ganglia and hippocampus, and will undergo weak homophilic interaction. PDCH19 mutations have been associated with epilepsy and mental retardation.

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