

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	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10 ⁶ cells	SH-SY5Y human neuroblastoma cell line

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Protocadherin 19 (PCDH19) is a d2-group member of the of the protocadherin subfamily, cadherin family of molecules. PCDH19 is thought to be a calcium-dependent protein primarily expressed in the brain. The protein is also known as EFMR (Epilepsy Female-restricted with Mental Retardation).

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