

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat EphB1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 917118
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant rat EphB1 Met1-Ser538 Accession # P09759
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

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

EphB1, also known as Elk, Cek6, Net, and Hek6, is a type I transmembrane receptor tyrosine kinase with two extracellular fibronectin type III domains. EphB1 binds Ephrin B1, B2, and B3 and plays an important role in nervous system development and axonal migration. Within the extracellular domain, rat EphB1 shares 99% amino acid sequence identity with human and mouse EphB1.

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