

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse EphB6 in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant mouse (rm) EphB6 is observed, 25% cross-reactivity with recombinant human (rh) EphA10 is observed, and no cross-react
Source	Monoclonal Mouse IgG _{2B} Clone # 465323
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human EphB6 Val17-Thr579 Accession # O15197
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

Western Blot 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

EphB6, also known as Hep and Mep, is a 110 kDa type I transmembrane glycoprotein in the Eph receptor tyrosine kinase family. EphB6 is expressed in brain, pancreas, thymus, kidney, and on peripheral T cells. Depending on concentration, Ephrin-B2 can either inhibit or promote EphB6 mediated cell adhesion and migration. EphB6 participates in T cell activation, and its level of expression is inversely correlated with tumor aggressiveness in a variety of malignancies. Within the ECD, human EphB6 shares 91% aa sequence identity with mouse and rat EphB6.

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