

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EphA10 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human EphA1, A2, A5, A6, B2, B3, B4, B6, recombinant mouse EphA3, A4, or A8 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 494130
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human EphA10 Glu34-Glu283 (predicted) Accession # Q5JZY3
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

EphA10 is a member of the Eph family of receptor tyrosine kinases that are activated by binding members of the Ephrin ligand family. EphA10 preferentially binds Ephrin-A3, -A4 and -A5. EphA10 mRNA expression appears limited to the testis, unlike most Ephs that are expressed in developing and adult neural tissue. Human EphA10 extracellular domain (ECD) shares 95% and 88% amino acid identity with mouse and rat EphA10, respectively. Of three alternately spliced isoforms, one is truncated within the ECD and another within the cytoplasmic domain.

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