

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Semaphorin 3B in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 904201
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Semaphorin 3B Pro26-Pro722 Accession # Q62177
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.
Immunocytochemistry	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

Sema3b (Semaphorin 3B) is a 748 aa secreted glycoprotein. Mouse Sema3b shares 88% and 96% aa identity with human and rat Sema3b, respectively. The semaphorin family has been demonstrated to play a role in axon guidance. Additionally, Sema3b has been implicated in bone mass regulation and tumor suppression.

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