Mouse Semaphorin 6A Alexa Fluor® 594-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 201932

Catalog Number: FAB1615T

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Semaphorin 6A in direct ELISAs and Western blots. In direct ELISAs, approximately 40% cross-reactivity with recombinant human (rh) Semaphorin 6A is observed and no cross-reactivity with recombinant mouse Semaphorins 3C, 3
Source	Monoclonal Rat IgG_{2A} Clone # 201932
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant mouse Semaphorin 6A Gly19-Thr649 Accession # O35464
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
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

Semaphorin 6A (Sema6A) is a member of the class 6 semaphorin family of type I transmembrane proteins important in axon guidance during neuronal development. Class 6 semaphorins mediate bidirectional signaling, in part through interaction with plexin A1. In addition to neuronal expression, Semaphorin 6A is induced by IFN-γ in Langerhans cells. Mature mouse and human Semaphorin 6A extracellular domains share 95% amino acid sequence identity.

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