Mouse ADAM19 Alexa Fluor® 594-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 164646

Catalog Number: FAB1229T

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ADAM19 Ectodomain in direct ELISAs and Western blots. It also recognizes a C-terminal fragment (amino acids 588-705) of recombinant mouse (rm) ADAM19 in Western blots. In Western blots, no cross-reactivity with rmADAM10 or rmADAM15 is observ
Source	Monoclonal Rat IgG_{2A} Clone # 164646
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*S. frugiperda* insect ovarian cell line *Sf* 21-derived recombinant mouse ADAM19 Ectodomain Asp205-Gly705 (predicted) Accession # O35674
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.

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

ADAM19 (a disintegrin and metalloprotease 19; also MADDAM and Meltrin-β) is a 95-100 kDa member of the M12B peptidase family of enzymes. It is expressed on multiple cell types including monocytes, fibroblasts, osteoblasts and dendritic cells. After cleavage of a signal sequence and prodomain, the ectodomain circulates in plasma bound to α2-Macroglobulin. ADAM19 cleaves at sequences present in myelin basic protein, insulin β chain, TNF-α, TRANCE and SCF. Over amino acids (aa) 205-705, mouse ADAM19 shares 87% aa sequence identity with human ADAM19.

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