Human CMG-2/ANTXR2 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 406510

Catalog Number: FAB29401N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CMG-2/ANTXR2 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 406510
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CMG-2/ANTXR2 Ser22-Arg200 Accession # P58335
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.*

ELISA	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

Capillary Morphogenesis Protein 2 (CMG-2) is an anthrax toxin receptor (ATR) family protein that contains a von Willebrand factor type A domain. As a result of alternative splicing, at least four isoforms of secreted or type I membrane proteins exist. CMG-2 is widely expressed in human tissues. It binds selectively to collagen type IV and laminin and is also capable of binding the protective antigen (PA) of *Bacillus Anthracis* in a divalent cation-dependent manner. Soluble CMG-2 is a potent antitoxin and may be used as a treatment of anthrax. Within the region used as immunogen, human and mouse CMG-2 share 76% amino acid sequence homology.

PRODUCT SPECIFIC NOTICES

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