Human Neprilysin-2/MMEL1 Alexa Fluor® 405-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF2340V
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Neprilysin-2/MMEL1 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) Neprilysin is observed and less than 1% cross-reactivity with rhECE-1 and rhECE-2 is observ
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Neprilysin-2/MMEL1 Gly69-Trp770 Accession # AAL08942
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.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	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

Neprilysin-2 is a zinc protease of the neprilysin (NEP) family, which also includes NEP, ECE-2, PEX, DINE, Kell and several NEP-like proteins (1). It is encoded by the MMEL1 gene in the human genome and is also known as soluble secreted endopeptidase (SEP), Neprilysin-like 1 and Neprilysin-2 (2). Highly expressed in testis, the cDNA predicted a type II transmembrane protein with a short cytoplasmic tail and a large ectodomain. Both membrane-bound and soluble forms were comparable with regard to model substrates, pH optima and inhibitor profiles. The ectodomain of human Neprilysin-2/MMEL1 was expressed with an N-terminal His tag and purified.

PRODUCT SPECIFIC NOTICES

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