

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Neprilysin/CD10 in Western blots and direct ELISAs. In Western blots, less than 5% cross-reactivity with recombinant human ECE-2 and recombinant mouse Neprilysin is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 212504
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Neprilysin/CD10 Met45-Pro743 Accession # P08473
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

	Recommended Concentration	Sample
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Daudi human Burkitt's lymphoma cell line

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Neprilysin (NEP) is also known as CALLA and CD10. It is a zinc metalloprotease expressed at the cell surface that cleaves a variety of bioactive peptides such as enkephalins, atrial natriuretic peptide and amyloid β peptide.

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