

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	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.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 212504
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Neprilysin/CD10 Met45-Pro743 Accession # P08473
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

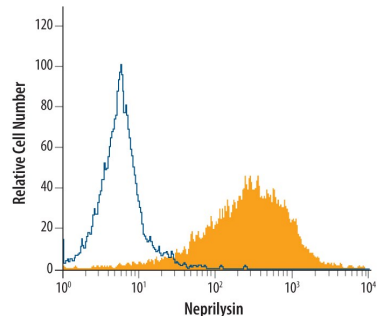
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	Recombinant Human Neprilysin/CD10 (Catalog # <a href="#">1182-ZNC</a> )
<b>Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

## DATA

### Flow Cytometry



**Detection of Neprilysin/CD10 in Daudi Human Cell Line by Flow Cytometry.** Daudi human Burkitt's lymphoma cell line was stained with Mouse Anti-Human Neprilysin/CD10 Monoclonal Antibody (Catalog # MAB1182, filled histogram) or isotype control antibody (Catalog # [MAB0041](#), open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG F(ab')<sub>2</sub> Secondary Antibody (Catalog # [F0102B](#)).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS. For liquid material, refer to CoA for concentration.
<b>Shipping</b>	Lyophilized product is shipped at ambient temperature. Liquid small pack size (-SP) is shipped with polar packs. Upon receipt, store immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual frost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.