

## DESCRIPTION

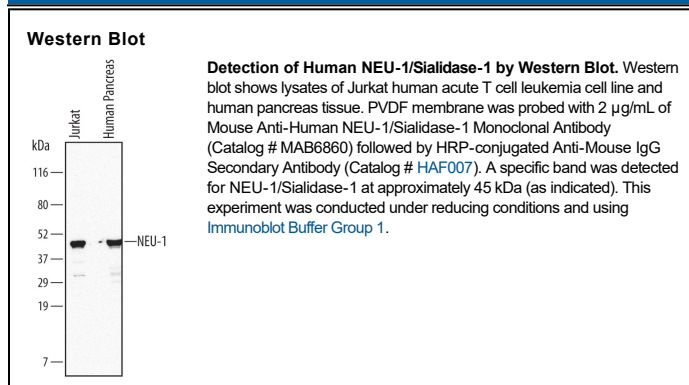
|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Human   |
| <b>Specificity</b>        | Detects human NEU-1/Sialidase-1 in direct ELISAs.   |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 688215   |
| <b>Purification</b>       | 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 NEU-1/Sialidase-1 Lys46-Leu415<br>Accession # Q99519  |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*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.

|                            | Recommended Concentration | Sample   |
|----------------------------|---------------------------|--|
| <b>Western Blot</b>        | 2 µg/mL                   | See Below  |
| <b>Immunoprecipitation</b> | 25 µg/mL                  | Conditioned cell culture medium spiked with Recombinant Human NEU-1/Sialidase-1, <a href="#">see our available Western blot detection antibodies</a> |

## DATA



## PREPARATION AND STORAGE

|                                |  |
|--------------------------------|--|
| <b>Reconstitution</b>          | Sterile PBS to a final concentration of 0.5 mg/mL.   |
| <b>Shipping</b>                | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.<br>*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C   |
| <b>Stability &amp; Storage</b> | <b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <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

Neuraminidase, also called NEU-1 or lysosomal sialidase, is a 45 kDa glycoprotein in the N-acetyl-a neuraminidase family. It is a member of a complex within the secretory lysosomes of melanosomes and hematopoietic cells that removes terminal sialic acids from glycosylated proteins and lipids. Mature human NEU-1 (aa 46-415) shares 86.5% aa identity with mouse and rat NEU-1. A 225 aa splice variant shares aa 206-415, but has an alternate N-terminus.