

Human NEU-1/Sialidase-1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 688215 Catalog Number: MAB6860

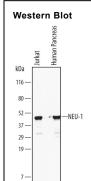
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human NEU-1/Sialidase-1 in direct ELISAs.	
Source	Monoclonal Mouse IgG _{2B} Clone # 688215	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human NEU-1/Sialidase-1 Lys46-Leu415 Accession # Q99519	
Formulation	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.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below
Immunoprecipitation	25 μg/mL	Conditioned cell culture medium spiked with Recombinant Human NEU-1/Sialidase-1, see our available Western blot detection antibodies

DATA



Detection of Human NEU-1/Sialidase-1 by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line and human pancreas tissue. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human NEU-1/Sialidase-1 Monoclonal Antibody (Catalog # MAB6860) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for NEU-1/Sialidase-1 at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE		
Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.	

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

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