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Datasheet for ABIN6239836

NEU1 Protein (AA 47-415) (His tag)

1 Image

Overview

Quantity:	50 µg
Target:	NEU1
Protein Characteristics:	AA 47-415
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This NEU1 protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 97 %
Biological Activity Comment:	<p>NEU (Sialidase-1) is an enzyme that catalyzes the removal of sialic acid (N-acetylneuraminic acid) moieties from glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (CTSA). Thus a binding ELISA assay was conducted to detect the interaction of recombinant human NEU and recombinant human CTSA. Briefly, NEU were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to CTSA-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-NEU pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50µL stop solution to the wells and</p>

Product Details

read at 450nm immediately. The binding activity of NEU and CTSA was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of NEU with CTSA.

Target Details

Target:	NEU1
Alternative Name:	Neuraminidase (NEU) (NEU1 Products)
Target Type:	Influenza Protein
Background:	Alternative Names: NEU1, SIAL1, Sialidase 1, Lysosomal Sialidase, Acetylneuraminyl hydrolase, G9 sialidase, N-acetyl-alpha-neuraminidase 1
Molecular Weight:	46kDa
UniProt:	Q99519
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Isoelectric Point: 5.3
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

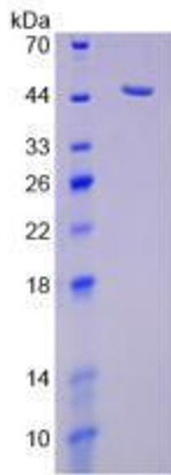


Image 1.