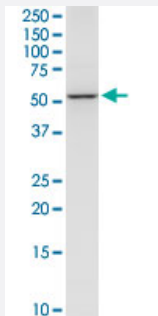


NEU1 monoclonal antibody (M01), clone 3F9

Catalog # H00004758-M01

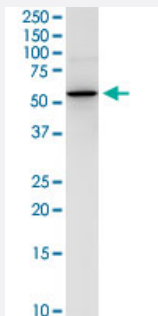
Size 100 ug

Applications



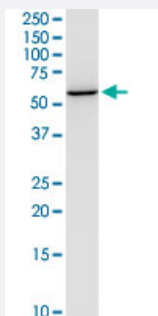
Western Blot (Cell lysate)

NEU1 monoclonal antibody (M01), clone 3F9. Western Blot analysis of NEU1 expression in Raw 264.7.



Western Blot (Cell lysate)

NEU1 monoclonal antibody (M01), clone 3F9. Western Blot analysis of NEU1 expression in IMR-32.

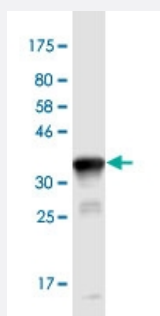
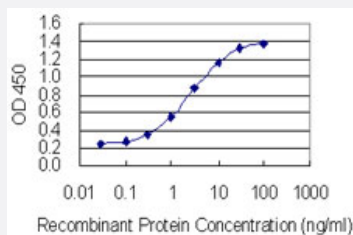


Western Blot (Cell lysate)

NEU1 monoclonal antibody (M01), clone 3F9. Western Blot analysis of NEU1 expression in PC-12.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEU1 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (34.76 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NEU1.
Immunogen	NEU1 (NP_000425, 334 a.a. ~ 415 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NPAHPEFRVNLTLRWSFSNGTSWRKETVQLWPGPSGYSSLATLEGSMDGEEQAPQLYVLYEKG RNHYTESISVAKISVYGTL
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Rat (82)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.76 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

NEU1 monoclonal antibody (M01), clone 3F9. Western Blot analysis of NEU1 expression in Raw 264.7.

[Protocol Download](#)

- Western Blot (Cell lysate)

NEU1 monoclonal antibody (M01), clone 3F9. Western Blot analysis of NEU1 expression in IMR-32.

[Protocol Download](#)

- Western Blot (Cell lysate)

NEU1 monoclonal antibody (M01), clone 3F9. Western Blot analysis of NEU1 expression in PC-12.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NEU1 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NEU1

Entrez GeneID	4758
GeneBank Accession#	NM_000434
Protein Accession#	NP_000425
Gene Name	NEU1
Gene Alias	FLJ93471, NANH, NEU, SIAL1
Gene Description	sialidase 1 (lysosomal sialidase)
Omim ID	256550 608272

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a lysosomal enzyme that cleaves terminal sialic acid residue s from substrates such as glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (the latter is also referred to as 'protective protein'). Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is late-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity. [provided by RefSeq]

Other Designations

G9 sialidase|N-acetyl-alpha-neuraminidase 1|OTTHUMP00000029419|acetylneuraminyl hydrolase|exo-alpha-sialidase|lysosomal sialidase|neuraminidase

Pathway

- [Lysosome](#)
- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Lupus Erythematosus](#)