

32-5995: Mouse Anti Human N-acetylneuraminic acid synthase(Clone: PAT1G6AT.)

Clonality :	Monoclonal
Clone Name :	PAT1G6AT.
Application :	ELISA, WB
Gene :	NANS
Gene ID :	54187
Uniprot ID :	Q9NR45
Format :	Purified
Alternative Name :	Sialic acid synthase, N-acetylneuraminase synthase, N-acetylneuraminase-9-phosphate synthase, N-acetylneuraminic acid phosphate synthase, N-acetylneuraminic acid synthase, NANS, SAS.
Isotype :	Mouse IgG1 heavy chain and k light chain.
Immunogen Information :	Anti-human NANS mAb, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human NANS amino acids 1-359 purified from E. coli.

Description

NANS is a 359 amino acid protein that contains one AFP (antifreeze proteins)-like domain and functions in the biosynthesis of sialic acids. The ubiquitously expressed NANS enzymatically catalyzes the H₂O-dependent formation of N-acetylneuraminic acid (Neu5Ac) and 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN), both of which are sialic acids. NANS uses N-acetylmannosamine 6-phosphate as a substrate for Neu5Ac synthesis and mannose 6-phosphate as a substrate for KDN synthesis.

Product Info

Amount :	20 µg
Purification :	NANS antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

NANS antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000.