

Mouse Anti-Chicken N-Ethylmaleimide-Sensitive Factor (NSF) Monoclonal Antibody

Cat. No.: VD10N127

Product Type: Animal-targeted Antibodies

Size: 100ug

Product Overview

BioVenic mouse monoclonal antibody is specific for N-ethylmaleimide-sensitive factor. It is affinity purified by protein A. It can be applied to WB, IF and Indirect ELISA assays of N-ethylmaleimide-sensitive factor.

Specifications

Application	WB; IF; Indirect ELISA
Clonality	Monoclonal
Classification	Primary Antibody
Clone	O12N28
Host	Mouse
Target Species	Chicken
Species Reactivity	Chicken
Specificity	N-Ethylmaleimide-Sensitive Factor
Isotype	IgG2
Immunogen	Recombinant protein of N-ethylmaleimide-sensitive factor
Purification	Protein A Purified
Concentration	1 mg/ml
Conjugation	Unconjugated
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Chicken N-ethylmaleimide-sensitive factor (NSF) is a member of the ATPases associated with various cellular activities (AAA) protein family, which is broadly required for intracellular membrane fusion processes. As an ATPase, NSF plays a crucial role in the disassembly of SNARE (Soluble NSF Attachment Protein) complexes, which are essential for the fusion of vesicles with their target membranes, a process vital for cellular communication and transport. In chickens, NSF is particularly important for maintaining the fu

functionality of the nervous system, as it aids in the recycling of SNARE proteins involved in neurotransmitter release at the synapses. The enzyme's activity is regulated by soluble NSF attachment proteins (SNAPs), which facilitate the binding of NSF to SNARE complexes, allowing NSF to use the energy from ATP hydrolysis to disassemble these complexes and recycle SNARE proteins.

Target	N-Ethylmaleimide-Sensitive Factor
Target Synonym	NEM sensitive fusion protein
Gene ID	419972
UniProt ID	A0A8V0ZZU2

Shipping and Storage

This product is shipped with ice gel packs. Store at -80°C on receipt.

Reference

May, Andrew P., *et al.* "Unraveling the mechanism of the vesicle transport ATPase NSF, the N-ethylmaleimide-sensitive factor." *Journal of Biological Chemistry* 276.25 (2001): 21991-21994.

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