

Rev05  
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**DATASHEET**

# THE™ NWSHPQFEK Tag Antibody [Biotin], mAb, Mouse

Cat. No.: A01737

## Overview

<b>Specificity</b>	THE™ NWSHPQFEK Tag Antibody [Biotin], mAb, Mouse recognizes N-terminal and C-terminal Strep II tagged fusion proteins.
<b>Host Species</b>	Mouse
<b>Immunogen</b>	NWSHPQFEK peptide conjugated to KLH
<b>Conjugate</b>	Biotin

## Applications

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

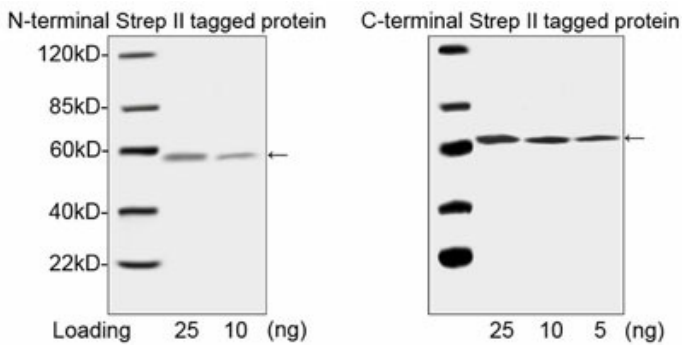
<b>Application</b>	<b>Recommended Usage</b>
Western Blot	0.2-1 µg/ml
ELISA	0.001-0.002 µg/ml

## Properties

<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	lyophilized with PBS, pH 7.4, containing 10 mg/mL BSA and 0.02% sodium azide.
<b>Reconstitution</b>	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
<b>Storage Instructions</b>	The lyophilized product remains stable for up to 1 year at -20 °C from the date of receipt. Upon reconstitution, it can be stored for 2-3 weeks at 2-8 °C or for up to 12 months at -20 °C or below. Avoid repeated freezing and thawing cycles.

<b>Purification</b>	Protein A affinity column
<b>Isotype</b>	Mouse IgG1, $\kappa$
<b>Clonality</b>	Monoclonal
<b>Clone ID</b>	5A9F9

## Examples



Western blot analysis of N-terminal and C-terminal Strep II tagged fusion protein using **THE™ NWSHPQFEK Tag Antibody [Biotin], mAb, Mouse** (GenScript, A01737, 1  $\mu$ g/ml). The signal was developed with Streptavidin-HRP conjugate (GenScript, 1:5,000, M00091) and LumiSensor THE™ HRP Substrate Kit (GenScript, L00221).

## Background

**Target Background :** Streptavidin is a tetrameric protein purified from *Streptomyces avidinii*. It has wide use in numerous molecular biological protocols due to its strong affinity for biotin. NWSHPQFEK (Strep II tag) is a nine amino acid peptide with high specificity and affinity towards streptavidin. GenScript THE™ NWSHPQFEK Tag Antibody [Biotin], mAb, Mouse is THE™ NWSHPQFEK Tag Antibody (A01732) conjugated with biotin. The conjugated antibody is suitable for detecting the expression level of NWSHPQFEK (Strep II tag) tagged fusion proteins.

**Synonyms :** THE™ NWSHPQFEK Tag Antibody [Biotin], mAb, Mouse;

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**

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