Rev04
Update: Oct,19,2022

DATASHEET

THE™ NWSHPQFEK Tag Antibody [HRP], mAb, Mouse

Cat. No.: A01742

Overview

Specificity	THE™ NWSHPQFEK Tag Antibody [HRP], mAb, Mouse recognizes N-terminal and C-terminal Strep II tagged fusion proteins.
Host Species	Mouse
Immunogen	NWSHPQFEK peptide conjugated to KLH
Conjugate	Horseradish peroxidase (HRP)

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.

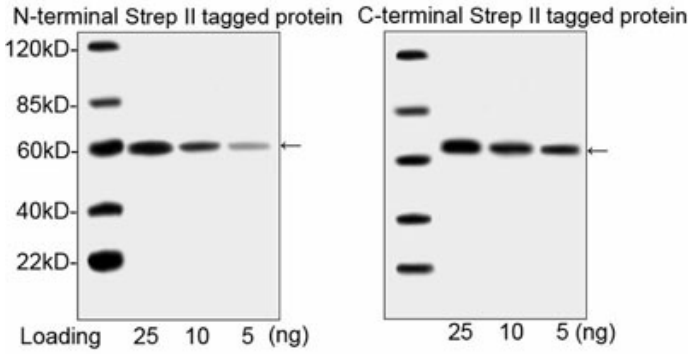
Application	Recommended Usage
Western Blot	0.2-1 µg/ml
ELISA	0.001-0.002 µg/ml

Properties

Form	Lyophilized
Storage Buffer	lyophilized with PBS, pH 7.4, containing 10 mg/mL BSA and 0.01% thimerosal.
Reconstitution	Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/mL.
Storage Instructions	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Purification	Protein A affinity column
Isotype	Mouse IgG1,κ
Clonality	Monoclonal
Clone ID	5A9F9

Examples



Western blot analysis of N-terminal Strep II tagged fusion protein and C-terminal Step II tagged protein using **THE™ NWSHPQFEK Tag Antibody [HRP], mAb, Mouse** (GenScript, A01742, 1 µg/ml)
The signal was developed with LumiSensor™ 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 dues 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 [HRP], mAb, Mouse is THE™ NWSHPQFEK Tag Antibody (A01732) conjugated with Horseradish peroxidase (HRP). The conjugated antibody is suitable for detecting the expression level of NWSHPQFEK Tagged fusion proteins.

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

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