

**THE™ NWSHPQFEK Tag Antibody,mAb,Mouse****Cat. No.:** A01732-200**Size:** 200 µg**Synonyms:** THE™ NWSHPQFEK Tag Antibody,mAb,Mouse**Description:**

Streptavidin is a tetrameric protein purified from *Streptomyces avidinii*. It has wide used in numerous molecular biological protocols dues to its strong affinity for biotin. NWSHPQFEK (Strep tag II) is a nine amino acid peptide with high specificity and affinity towards streptavidin. NWSHPQFEK Tag Antibody is a useful tool in analysis and affinity purification of Strep tag II fusion proteins.

**Immunogen:** NWSHPQFEK peptide conjugated to KLH**Host:** Mouse**Conjugation:** Unconjugated**Fusion Partner:**

Fusion of SP2/0-Ag14 myeloma and B-lymphocytes

**Formulation:**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

**Clone:** 5A9F9**Ig Subclass:** IgG1 K**Specificity:** THE™ NWSHPQFEK Tag Antibody, mAb, Mouse recognizes N-terminal and C-terminal Strep II tagged

fusion proteins.

**Purification:** Protein A affinity column**Applications:**

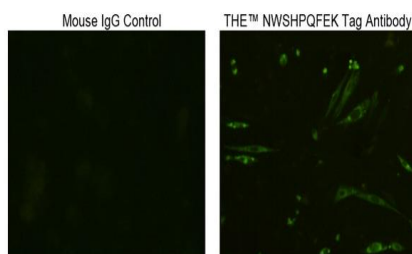
Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The 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.

**Western blot:** 0.1-0.5 µg/ml**Immunoprecipitation:** 1-5 µg/ml**ICC/IF:** 1-3 µg/ml**ELISA:** 0.001-0.002 µg/ml**Flow cytometry:** 1 µg/ml**Reconstitution:**

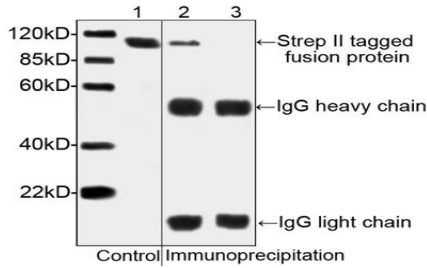
Reconstitute the lyophilized product with deionized water (or equivalent) to make antibody concentration of 0.5 mg/ml.

**Storage:**

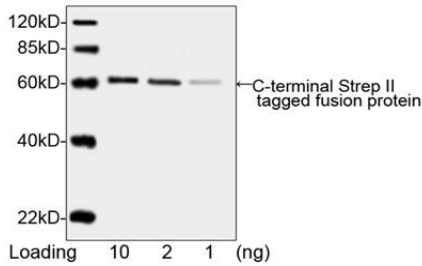
The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

**Example**

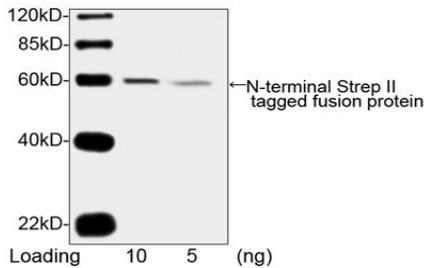
Immunocytochemistry/Immunofluorescence analysis of Strep II tagged protein transfected HEK293 cells using THE™ NWSHPQFEK Tag Antibody, mAb, Mouse (Cat.No. A01732) and Mouse IgG Control (Whole Molecule), Purified (Cat.No. A01007) The signal was developed with FITC conjugated Goat Anti-Mouse IgG.



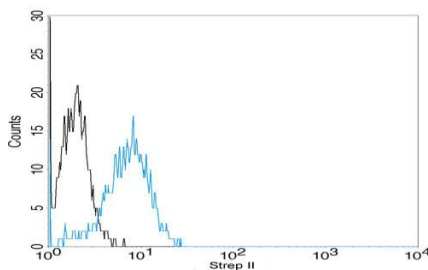
Western blot analysis of immunoprecipitates from Strep II tagged protein transfected HEK293 cell lysates using **THE™ NWSHPQFEK Tag Antibody, mAb, Mouse** (GenScript, A01732). <BR> Lane 1: Strep II tagged protein transfected HEK293 cell lysates as input control. <BR> Lane 2: Immunoprecipitates of NWSHPQFEK-tagged protein transfected HEK293 cell lysates with **THE™ NWSHPQFEK Tag Antibody, mAb, Mouse** (GenScript, A01732). <BR> Lane 3: Immunoprecipitates of the Non transfected HEK293 cell lysates with **THE™ NWSHPQFEK Tag Antibody, mAb, Mouse** (GenScript, A01732).



Western blot analysis of C-terminal Strep II tagged fusion protein using **THE™ NWSHPQFEK Tag Antibody, mAb, Mouse** (GenScript, A01732, 0.2 µg/ml). The signal was developed with IRDye™ 800 Conjugated affinity Purified Goat Anti-Mouse IgG.



Western blot analysis of N-terminal Strep II tagged fusion protein using **THE™ NWSHPQFEK Tag Antibody, mAb, Mouse** (GenScript, A01732, 0.2 µg/ml). The signal was developed with IRDye™ 800 Conjugated affinity Purified Goat Anti-Mouse IgG.



Flow cytometric analysis of non-transfected or Strep II fusion gene transfected CHO cells using **THE™ NWSHPQFEK Tag Antibody, mAb, Mouse** (GenScript, A01732) (black and blue respectively). The signal was developed with FITC conjugated Goat Anti-Mouse IgG.