

**StreptII-tag Antibody**  
**Catalog # ASC10585****Specification**

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**StreptII-tag Antibody - Product Information**

Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	StreptII-tag antibody can be used for the detection of StreptII-tagged proteins by Western blot at 1 µg/mL.

**StreptII-tag Antibody - Additional Information****Reconstitution & Storage**

StreptII-tag antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

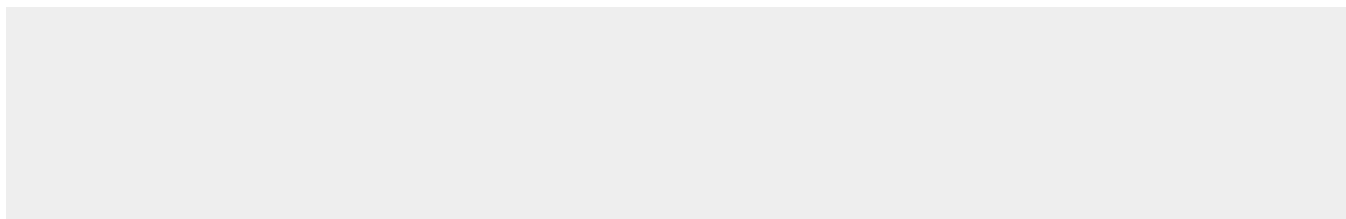
**Precautions**

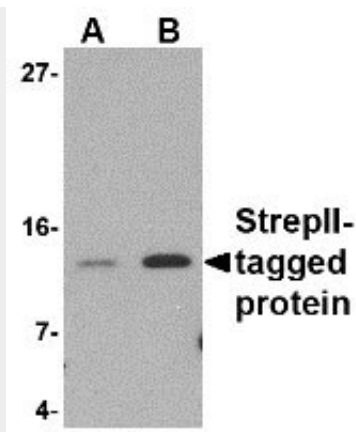
StreptII-tag Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**StreptII-tag Antibody - Protein Information****StreptII-tag Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**StreptII-tag Antibody - Images**



Western blot analysis of (A) 5 and (B) 25ng of StreptII-tagged recombinant protein with StreptII antibody at 1  $\mu$ g/mL.

### **StreptII-tag Antibody - Background**

**StreptII-tag Antibody:** 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. The original Strep-tag is a nine amino acid peptide with high specificity and affinity towards streptavidin. The addition of this tag to the C-terminus of recombinant proteins allowed the simple purification of protein by use of affinity columns. It was re-engineered to allow it to also be placed at the N-terminus of recombinant proteins.

### **StreptII-tag Antibody - References**

Schmidt TGM and Skerra A. The random peptide-assisted engineering of a C-terminal affinity peptide, useful for the detection and purification of a functional Ig Fv fragment. *Protein Eng.*1993; 6:109-22.

Schmidt TGM, Koepe J, Frank R, et al. Molecular interactions between the Strep-tag affinity peptide and its cognate target, streptavidin. *J. Mol. Biol.*1996; 255:753-6.