

Anti-Strep-Tag II [C23.21] Standard Size Ab02208-7.1

This chimeric rat antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rat IgG2a, Kappa

Clone Number: C23.21

Alternative Name(s) of Target: Streptavidin; 'WSHPQFEK'; strep-tag

UniProt Accession Number of Target Protein: P22629

Published Application(s): WB, ELISA

Published Species Reactivity: Streptomyces avidinii

Immunogen: The original antibody was generated by immunizing BALB/c mice with recombinant ectodomain of glycoprotein E2 of GB virus, containing a double Strep-Tag of amino acid sequence 'AGWSHPQFEKGGGSGGGSGGGWSHPQFEK'.

Specificity: This antibody recognizes an antigen with amino acid sequence 'WSHPQFEK' present in the Strep Tag with a dissociation constant of 1.4×10^{-10} M. It recognizes another fusion protein namely VHH-E9 containing the strep-tag sequence of 'LESAWSHPQFEK' at the C terminus with a dissociation constant of 9.1×10^{-10} M.

Application Notes: This high affinity antibody can detect the strep-tag II fusion proteins in ELISA and western blot assay. This antibody is recommended for strep-tag recognition in fusion proteins through western blotting or immunohistochemistry methods, or to immobilize strep-tagged fusion proteins on Biacore sensor chips for performing Surface Plasmon Resonance (SPR)-mediated protein interaction studies. It can also be used for the purification of strep-tagged recombinant proteins using an affinity column or immunoprecipitation method.

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.