



ELK Biotechnology

S-Tag Mouse mAb

Catalog NO.: EM1016

For research use only.

Overview

Product name	S-Tag Mouse Monoclonal antibody
Source	Mouse
Applications	WB
Species reactivity	N/A
Recommended dilutions	WesternBlot:1/5000 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	N/A
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	N/A
GeneID (Human)	N/A
Human Swiss-Prot No.	N/A
Cellular localization	N/A
Alternative Names	N/A

Background

S-tag is the name of an oligopeptide derived from pancreatic ribonuclease A (RNase A). If RNase A is digested with subtilisin a single peptide bond is cleaved but the resulting two products remain weakly bound to each other and the protein called ribonuclease S remains active although each of the two products alone shows no enzymatic activity. The N-terminus of the original RNase A also called S-peptide consists of 20 amino acid residues of which only the first 5 are required for ribonuclease activity. This 5 amino acids long peptide is called S15 or S-tag. The amino acid sequence of the S-tag is:

KETAAAKFERQHMS conjugated to KLH. S- Tag antibody can recognize C-terminal internal and N-terminal S-tagged proteins.

