

Mouse anti-Bovine S-Tag/S15 Monoclonal Antibody | anti-S-Tag/S15 antibody

S-Tag/S15

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76725	Mouse	Bovine	Immunofluorescence, Western Blot, Immunocytochemistry

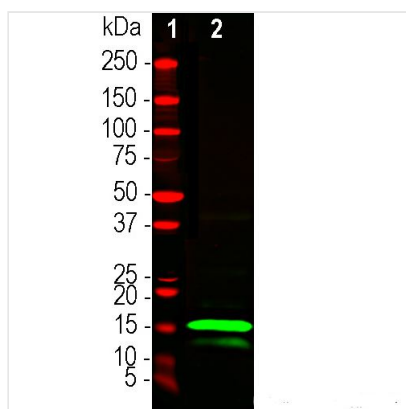
PRODUCT SYNONYMS

S-Tag/S15; Monoclonal Antibody; anti-S-Tag/S15 antibody

PRODUCT SPECIFICATIONS

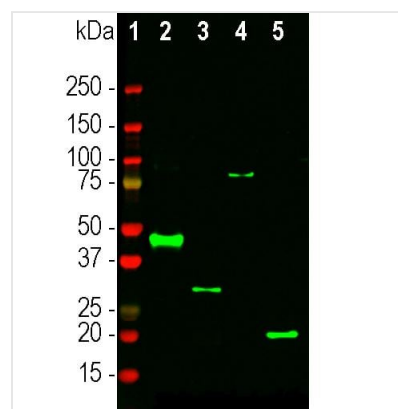
Host	Mouse
Reactivity	Bovine
Clonality	Monoclonal
Isotype	Mouse IgG1
Form/Format	Liquid. Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN3
Applicable Applications for anti-S-Tag/S15 antibody	IF (Immunofluorescence), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Peptide derived from the N-terminal sequence of pET30a(+)
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for sixmonths without detectable loss of activity. The antibody can be stored at 2 degree - 8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of bovine pancreas tissue lysate using mouse mAb to S-tag protein, AAA76725, dilution 1:2,000 in green: [1] protein standard (red), [2] 40ug of bovine pancreas extract. A strong band at about 15kDa corresponds to S-tag sequence found in bovine pancreatic RNase 1.



WB (Western Blot)

Western blot analysis of 0.25g of different recombinant proteins solutions expressed in pET family vectors and which contain the S-tag sequence (KETAAKFERQHMDs), using mouse mAb AAA76725, dilution 1:5,000 in green: [1] protein standard (red), [2] aldolase A, [2] MBP, [4] MAP2, P2 projection domain construct and [5] FOX2-C terminal part of the protein. AAA76725 binds to the S-tag present in all tested recombinant proteins, and reveals protein bands of the expected molecular weights.

ADDITIONAL INFORMATION

Related Product Information for anti-S-Tag/S15 antibody	The S-tag is one of many intrinsically unstructured peptides which only adopts a defined structure on binding to a structured substrate. The S-tag is incorporated into many vectors including the pET29 and 30 series, pCITE-3 and pCITE-4. The S-tag sequence was incorporated into many expression systems and is detectable with certain antibody reagents allowing researchers to check the size and correct expression of recombinant proteins. Proteins including the S-tag can be purified using a column to which is bound the RNase-S-prot. The modern nomenclature for the enzyme is RNAase A or RNAse 1. This antibody was made against a synthetic 53 amino acid peptide which is the sequence included in pET30a(+) and other vectors. A C-terminal cysteine was added to allow coupling to maleate activated KLH which was used as the immunogen. Numerous clones were screened by their ability to bind the immunogen and then re-screened for inhibition of this binding by the S-tag peptide.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/s-tag-s15-antibody-immunofluorescence-western-blot-immunocytochemistry-elisa/76725>