

MAA248Ge21**Monoclonal Antibody to Bovine Serum Albumin (BSA)****Organism Species: General*****Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

[PRODUCT INFORMATION]

Immunogen: BSA**Clonality:** Monoclonal**Clone number:** A6**Host:** Mouse**Immunoglobulin Type:** IgG1 Kappa**Purification:** Affinity Chromatography.**Applications:** WB, ICC, IHC-P, IHC-F, ELISA**Concentration:** 500µg/mL**UOM:** 200µg

[IMMUNOGEN INFORMATION]

Immunogen: Native Protein**Accession No.:** NPA248Ge01

[RELEVANCE]

Bovine serum albumin (also known as BSA or "Fraction V") is a serum albumin protein derived from cows. It is often used as a protein concentration standard in lab experiments. The full-length BSA precursor protein is 607 amino acids in length. An N-terminal 18-residue signal peptide is cut off from the precursor protein upon secretion, hence the initial protein product contains 589 amino acid residues. BSA has numerous biochemical applications including ELISAs. and immunohistochemistry. It is also used as a nutrient in cell and microbial culture.

[ANTIBODY SPECIFICITY]

The antibody is a mouse monoclonal antibody raised against BSA. It has been selected for its ability to recognize BSA in immunohistochemical staining and western blotting.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN₃, 50% glycerol.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.