Murine Anti-Bovine Serum Albumin

Clone GMA-630

Bovine serum albumin (BSA), also known as Fraction V, is a soluble 66.5 kDa protein derived from cows. BSA is often used as a conjugate for small molecules, such as peptides, to increase their size and confer properties more amenable for assays such as solid phase ELISAs. In experiments where BSA-conjugates are used, rigorous experiments should include negative controls that demonstrate that responses are to the peptide of interest, and not the BSA portion of the molecule. GMA-630 binds BSA and BSA-conjugated peptides in solid phase ELISA.

Description

Antibody Source:	mouse monoclonal, IgG_{2b}
Antigen Species Bound:	bovine
Specificity:	BSA and peptide-BSA conjugates
Immunogen:	BSA

Formulation and Storage

Purity:	Purified by protein G affinity chromatography from serum-free cell culture supernatant.
Product Formulation:	Lyophilized from a ≥1 mg/ml solution in 20 mM NaH_2PO_4 0.15 M NaCl, 1.0% (w/v) mannitol, pH 7.4. Concentration determined by absorbance measurement at 280 nm and using an extinction coefficient of 1.4 ($\varepsilon_{0.1\%}$).
Reconstitution:	Reconstitute with deionized water.
Storage:	Store lyophilized or reconstituted and aliquoted material at -20 °C for prolonged periods. Avoid freeze-thaw cycles. Alternatively, add 0.02% (w/v) sodium azide to reconstituted solution and store at 4 °C.
Country of origin:	USA
Size Options:	0.1 mg or 0.5 mg

Applications

Working Concentration:	Approximately 1-5 µg/ml. Researcher should titer antibody in specific assay.
ELISA:	Binds BSA and BSA-conjugated peptides in solid-phase ELISA.
Immunoblotting:	Does not blot.

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