

cBSA: Cationized with Ethylenediamine

Catalog Number:	5600
Size:	10 mg
Molecular Weight:	67 kD
Solubility:	Soluble in water
Description:	cBSA is prepared by treating the native BSA with ethylenediamines that replace most of negatively-charged carboxyl groups with positively-charged primary amines, resulting a highly positively-charged cBSA. The cationization significantly increases the immunogenicity compared to native BSA. In addition, the increased number of primary amines provides more conjugation sites available for hapten molecules with general conjugation methods.
Storage/Stability:	Store at -20°C/1 year
Format:	Lyophilized in PBS, pH 7.2.
Immunogen:	Use as a carrier protein for immunization
Purification:	BSA is purified by a fractionation method, and is supplied with the purity over 97% by SDS.
Applications:	cBSA itself acts an excellent immunogen with a greater immunogenicity compared to the native BSA. With increased number of free amines, more antigen molecules can be coupled to cBSA. When a stronger immunogenicity and a high concentration of hapten are needed, cBSA is a good choice for the immunogen preparation of small hapten molecules.
References:	Sheng-Liang Deng, Ping Li, Hong-Bin Liu, Shu-Ming Yang (2014) Preparation and characterization of ultrasensitive and specific polyclonal antiserum against ciprofloxacin based on cationized bovine serum albumin. Chemical Papers 68 (11) 1505–1513.