

Proteins for Immunology Research

Albumin (Ovalbumin)

The albumin is purified from chicken egg white by repeated crystallization (normally for three times) till the protein purity is over 98% as analysed by polyacrylamide gel electrophoresis. Supplied as salt free lyophilized powder.

Lysozyme (Low nuclease activity)

The enzyme is known to hydrolyze β -1, 4 linkages between N-acetyl muramic acid and N-acetyl glucosamine in the cell wall of many micro organisms. The enzyme is useful for lysing gram positive and gram negative bacteria for subsequent isolation of nucleic acid. The enzyme is used in DNA extraction from *E.coli*. The cell lytic activity is 30,000 - 45,000 units per mg. Protein purity as tested by SDS gel electrophoresis is > 95%, M.W. 14,000.

Storage: - 20°C

Protein A

Protein A is isolated from *Staphylococcus aureus* culture fluid. This protein binds to Fc region of immunoglobulin G (IgG) molecule of several species without interacting with its antigen binding sites. Molecular weight is 47,000. Protein is supplied in lyophilized form and essentially saltfree.

Storage: Below 0°C.

BSA (Bovine Serum Albumin)

Albumin fraction V purified from Bovine serum supplied is a lyophilized powder that appears pale yellow.

Molecular Weight: 68000 Da

Purity: 98% by SDS - PAGE

Application: BSA can be used as a standard, stabilizer and as a buffer component in immunological techniques.

Store: Dry at 4°C

Ordering Information:

Product	Size	Cat #
Albumin (Ovalbumin)	1 g	105251
Lysozyme	500 mg	105253
	5 g	105252
Protein A	5 mg	105254
BSA	50 g	105256

Streptavidin

Isolated from *Streptomyces avidinii* having affinity for biotin. The biotin binding activity is 12 - 15 units/mg. The protein purity is more than 95% as assessed on SDS gel electrophoresis.

Storage: Below 0 °C.

Ordering Information:

Product	Size	Cat #
Streptavidin	1 mg	105190
Streptavidin	5 mg	105191