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**Monoclonal Anti- Albumin (Capture or Detection Ab)****Catalog#** BDA1027**Lot #** Check on the product label**Size** 1 mg**Isotype** IgG1**Clone #** B1**Host** Mouse**Reactivity**

Human

**Product Form** Liquid**Purification & Buffer**

Protein A or G purified and supplied in 0.9% NaCl without preservative.

**Purity** >95% by HPLC & SDS-PAGE**Immunogen** Recombinant Albumin (ALB) protein**Recommend Application**

ELISA

Chemiluminescent immunoassay, CLIA

Other applications have not been tested.

The optimal dilutions should be determined by end user.

**Matched antibody pair**

Capture Ab: Clone # B7 or Clone # B1

Detection Ab: Clone # B1 or Clone # B7

**Storage Instruction**

Aliquot and store at -20°C for long term (at least one year).

Avoid repeated freeze and thaw cycles.

**Background**

Serum albumin, often referred to simply as blood albumin, is an albumin (a type of globular protein) found in vertebrate blood.

Human serum albumin is encoded by the ALB gene. Albumin is essential for

maintaining the oncotic pressure needed for proper distribution of body fluids between blood vessels and body tissues; without albumin, the high pressure in the blood vessels would force more fluids out into the tissues. It also acts as a plasma carrier by non-specifically binding several hydrophobic steroid hormones and as a transport protein for heme and fatty acids. Too much or too little circulating serum albumin may be harmful.

**Reference**1. Hawkins JW, Dugaiczky A (1982). "The human serum albumin gene: structure of a unique locus". *Gene*. 19 (1): 55–8.2. Harper ME, Dugaiczky A (July 1983). "Linkage of the evolutionarily-related serum albumin and alpha-fetoprotein genes within q11-22 of human chromosome 4". *American Journal of Human Genetics*. 35 (4): 565–72.

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**FOR RESEARCH USE ONLY, NOT FOR DIAGNOSTIC AND CLINICAL USE.**

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