

Human Apo-J / Clusterin

CATALOG #:	4325-10	10 µg
	4325-500	500 µg
LOT #:	_____	
SYNONYMS:	CLI, AAG4, KUB1, SGP2, SGP-2, SP-40, TRPM2, MGC24903, Clusterin, Apolipoprotein J, Apo-J	
SOURCE:	<i>Plasma</i>	
PURITY:	>95% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng/µg of Apo-J.	
MOLECULAR WEIGHT:	75-80 kDa	
FORM:	Lyophilized from PBS, pH 7.5.	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in dH₂O to a working volume of 0.5 mg/ml and let the lyophilized pellet dissolve completely.

STORAGE CONDITIONS:

The lyophilized human Apo-J is best-stored desiccated below 0°C. Reconstituted Apo-J should be stored in working aliquots at -20°C.

DESCRIPTION:

Apolipoprotein J (APO-J), also named Clusterin, is a 75-80 kD disulfide-linked heterodimeric protein. The precursor polypeptide chain is cleaved proteolytically to remove the 22-mer secretory signal peptide and subsequently between residues 227/228 to generate the α and β chains. These are assembled in anti-parallel to give a heterodimeric molecule in which the cysteine-rich centers are linked by five disulfide bridges and are flanked by two predicted coiled-coil α -helices and three predicted amphipathic α -helices. Clusterin is up- or down regulated on the mRNA or protein level in many pathological and clinically relevant situations including cancer, organ regeneration, infection, Alzheimer disease, retinitis pigmentosa, myocardial infarction, renal tubular damage, autoimmunity and others.

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Bioluminescence Cytotoxicity Assay Kit
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- DNA Damage Quantification Kit
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