



# Anti-CLU monoclonal antibody, clone 460308 [Biotin] (DCABY-4283)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Clusterin (named for its ability to aggregate, or cluster, cells) is an 80-kDa, secreted, heterodimeric glycoprotein that has no identifiable structural motif(s). It is generated from a common precursor that is cleaved to form two disulfide-linked subunits. Clusterin is believed to function as a unique type of heat shock protein, presumably protecting extracellular molecules. Alternative splicing will also generate a truncated form of Clusterin that is pro-apoptotic. Thus, its function(s) may be context-dependent.
<b>Specificity</b>	Detects human Clusterin in ELISAs.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human Clusterin. Asp75-Glu501 Accession Number NP_001822
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	460308
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Biotin
<b>Applications</b>	ELISA Detection (Matched Pair)
<b>Format</b>	Liquid
<b>Size</b>	250 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.

<b>Preservative</b>	None
<b>Storage</b>	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 °C as supplied.</p> <p>1 month, 2 to 8 °C under sterile conditions after reconstitution.</p> <p>6 months, -20 to -70 °C under sterile conditions after reconstitution.</p>

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CLU clusterin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	CLU
<b>Synonyms</b>	CLU; clusterin; CLI; AAG4; APOJ; CLU1; CLU2; KUB1; SGP2; APO-J; SGP-2; SP-40; TRPM2; TRPM-2; NA1/NA2; apolipoprotein J; ku70-binding protein 1; sulfated glycoprotein 2; aging-associated protein 4; complement lysis inhibitor; complement cytolysis inhibitor
<b>Entrez Gene ID</b>	<a href="#">1191</a>
<b>Protein Refseq</b>	<a href="#">NP_001822</a>
<b>UniProt ID</b>	<a href="#">P10909</a>
<b>Chromosome Location</b>	8p21-p12
<b>Pathway</b>	Hemostasis; Platelet activation, signaling and aggregation; Platelet degranulation; Response to elevated platelet cytosolic Ca <sup>2+</sup> ; Validated targets of C-MYC transcriptional repression;
<b>Function</b>	NOT ATPase activity; misfolded protein binding; protein binding; ubiquitin protein ligase binding;