



Anti-CLU monoclonal antibody, clone 460380 (DCABY-3973)

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

PRODUCT INFORMATION

Antigen Description	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.
Specificity	Detects recombinant human Clusterin in ELISAs.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Clusterin. Asp75-Glu501 Accession Number NP_001822
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	460380
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair)
Procedure	Matched Antibody Pairs
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

GENE INFORMATION

Gene Name	CLU clusterin [Homo sapiens (human)]
Official Symbol	CLU
Synonyms	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
Entrez Gene ID	1191
Protein Refseq	NP_001822
UniProt ID	P10909
Chromosome Location	8p21-p12
Pathway	Hemostasis; Platelet activation, signaling and aggregation; Platelet degranulation; Response to elevated platelet cytosolic Ca ²⁺ ; Validated targets of C-MYC transcriptional repression;
Function	NOT ATPase activity; misfolded protein binding; protein binding; ubiquitin protein ligase binding;