

## Mouse anti-Human Clusterin/Apolipoprotein J (APO-J) Monoclonal Antibody | anti-CLU antibody

Clusterin/Apolipoprotein J (APO-J) Mouse Monoclonal Antibody [Clone CLU/4727]

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                       |
|-----------|-------|------------|------------------------------------|
| AAA215555 | Mouse | Human      | Immunohistochemistry, Western Blot |

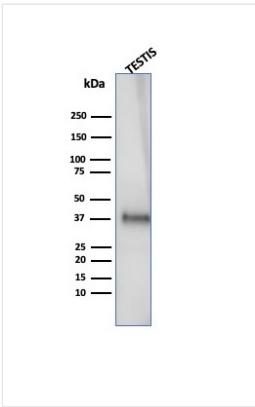
### PRODUCT SYNONYMS

Clusterin/Apolipoprotein J (APO-J); Monoclonal Antibody; Clusterin/Apolipoprotein J (APO-J) Mouse Monoclonal Antibody [Clone CLU/4727]; Aging associated protein 4; Apolipoprotein J; CLU1; CLU2; Clusterin alpha/beta chain; Complement associated protein SP40; Complement cytolysis inhibitor a chain; NA1/NA2; D14Ucla3; Dimeric acid glycoprotein; GP80; Ku70-binding protein 1 (KUB1); Sulfated glycoprotein 2 (SGP2); Testosterone repressed prostate message 2 (TPRM2B); anti-CLU antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                             |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                       |
| Reactivity                                    | Human                                                                                                                                                                       |
| Clonality                                     | Monoclonal                                                                                                                                                                  |
| Isotype                                       | Mouse/IgG2c, kappa                                                                                                                                                          |
| Clone Number                                  | CLU/4727                                                                                                                                                                    |
| Form/Format                                   | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.      |
| Concentration                                 | Purified Ab with BSA and Azide at 200ug/ml<br>OR<br>Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)                                                           |
| Applicable Applications for anti-CLU antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                               |
| Immunogen                                     | Recombinant fragment (around aa185-287) of human NPM1 protein (exact sequence is proprietary)                                                                               |
| Cellular Localization                         | Nucleus and Cytoplasm                                                                                                                                                       |
| Positive Control                              | Human pancreas, tonsil or cervix.                                                                                                                                           |
| Hu-chromosome Location                        | 8p21.1                                                                                                                                                                      |
| Unigene                                       | 436657                                                                                                                                                                      |
| Preparation and Storage                       | Antibody with azide: store at 2 to 8 degree C<br>Antibody without azide: store at -20 to -80 degree C<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required. |

IMAGES



**WB (Western Blot)**  
Western Blot Analysis of human testis tissue lysate using Clusterin/APOJ Mouse Monoclonal Antibody (CLU/4727).

ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CLU antibody</b> | Clusterin, also designated complement lysis inhibitor (CLI), apolipoprotein J (APOJ), sulfated glycoprotein 2 (SGP2), SP40 and testosterone-repressed prostate message 2 (TRPM2), is a secretory, heterodimeric glycoprotein that influences immune regulation, cell adhesion, transformation, lipid transportation, tissue remodeling, membrane recycling and cell-cell interactions. Clusterin is synthesized as a 449 amino acid polypeptide that is post-translationally cleaved at an internal bond between Arg 227 and Ser 228. Two subunits, alpha and beta, are associated through disulfide bonds. The beta subunit (also called ApoJalpha) corresponds to residues 23-227. The alpha subunit (also called ApoJbeta) corresponds to residues 228-449. Overexpression of Clusterin appears to be more common in late stages of mammary tumor progression. Clusterin markedly influences beta-Amyloid structure and neuritic toxicity in vivo and may influence Alzheimer s pathogenesis. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 355594753                                                                                                                                                                                                                                               |
| NCBI GeneID                      | 1191                                                                                                                                                                                                                                                    |
| NCBI Accession #                 | NP_001822.3                                                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001831.3                                                                                                                                                                                                                                             |
| UniProt Accession #              | P10909; P11380; P11381; Q2TU75; Q5HYC1; Q7Z5B9; B2R9Q1; B3KSE6; AAB25217                                                                                                                                                                                |
| Molecular Weight                 | 52,495 Da                                                                                                                                                                                                                                               |
| NCBI Official Full Name          | clusterin preproprotein                                                                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | clusterin                                                                                                                                                                                                                                               |
| NCBI Official Symbol             | CLU                                                                                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | CLI; AAG4; APOJ; CLU1; CLU2; KUB1; SGP2; APO-J; SGP-2; SP-40; TRPM2; TRPM-2; NA1/NA2                                                                                                                                                                    |
| NCBI Protein Information         | clusterin; apolipoprotein J; ku70-binding protein 1; sulfated glycoprotein 2; aging-associated protein 4; complement lysis inhibitor; complement cytolysis inhibitor; complement-associated protein SP-40,40; testosterone-repressed prostate message 2 |
| UniProt Protein Name             | Clusterin                                                                                                                                                                                                                                               |
| UniProt Gene Name                | CLU                                                                                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | APOJ; CLI; KUB1; Apo-J; CLI; TRPM-2                                                                                                                                                                                                                     |
| UniProt Entry Name               | CLUS_HUMAN                                                                                                                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/clusterin-apolipoprotein-j-apo-j-antibody-clone-clu-4727-immunohistochemistry-western-blot-elisa/215555>