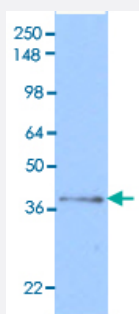


CLU monoclonal antibody, clone 1A11

Catalog # MAB1098

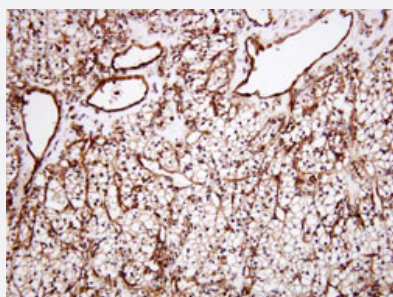
Size 100 uL

Applications



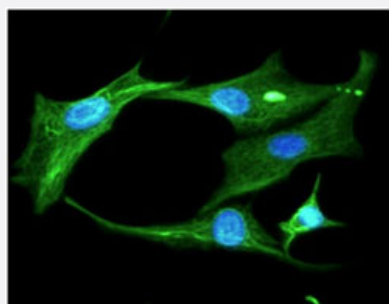
Western Blot (Cell lysate)

Western blot analysis of U87 MG cell lysate.



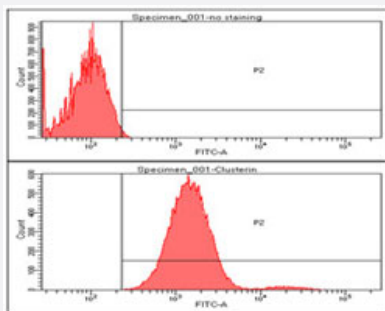
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of human renal cell carcinoma tissue were incubated with CLU monoclonal antibody , clone 1A11 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



Immunofluorescence

Immunofluorescence analysis of U87 MG cells. The cell was stained with CLU monoclonal antibody, clone 1A11 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



Flow Cytometry

Flow cytometric analysis of U87 MG cell line, staining at 2-5 ug for 1x10⁶ cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CLU.
Immunogen	Recombinant protein corresponding to amino acids 1-333 of human CLU.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	ELISA Flow Cytometry Immunocytochemistry Immunofluorescence Immunohistochemistry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of U87 MG cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of human renal cell carcinoma tissue were incubated with CLU monoclonal antibody , clone 1A11 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of U87 MG cells. The cell was stained with CLU monoclonal antibody, clone 1A11 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of U87 MG cell line, staining at 2-5 ug for 1x10⁶ cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.

Gene Info — CLU

Entrez GeneID [1191](#)

GeneBank Accession# [NM_203339](#)

Protein Accession# [NP_001822](#)

Gene Name CLU

Gene Alias AAG4, APOJ, CLI, KUB1, MGC24903, SGP-2, SGP2, SP-40, TRPM-2, TRPM2

Gene Description clusterin

Omim ID [185430](#)

Gene Ontology [Hyperlink](#)

Gene Summary SP-40

Other Designations OTTHUMP00000128311|aging-associated protein 4|apolipoprotein J|clusterin (complement lysis inhibitor, SP-40,40, sulfated glycoprotein 2, testosterone-repressed prostate message 2, apolipo protein J)|complement lysis inhibitor|complement-associated protein

Publication Reference

- [Comparative multidimensional molecular analyses of pediatric diffuse intrinsic pontine glioma reveals distinct molecular subtypes.](#)
Saratsis AM, Kambhampati M, Snyder K, Yadavilli S, Devaney JM, Harmon B, Hall J, Raabe EH, An P, Weingart M, Rood BR, Magge SN, Macdonald TJ, Packer RJ, Nazarian J.
Acta Neuropathologica 2014 Jun; 127(6):881.
Application: IHC, Human, Brain
- [Up-regulation of the clusterin gene after proteotoxic stress: implication of HSF1-HSF2 heterocomplexes.](#)
Loison F, Debure L, Nizard P, le Goff P, Michel D, le Drian Y.
The Biochemical Journal 2006 Apr; 395(1):223.
Application: WB-Tr, Human, U251 cells
- [Overexpression of clusterin in human breast carcinoma.](#)
Redondo M, Villar E, Torres-Munoz J, Tellez T, Morell M, Petito CK.
The American Journal of Pathology 2000 Aug; 157(2):393.
Application: IHC, Human, Human breast carcinoma tissues
- [Apolipoprotein J \(clusterin\) induces cholesterol export from macrophage-foam cells: a potential anti-atherogenic function?](#)
Gelissen IC, Hochgrebe T, Wilson MR, Easterbrook-Smith SB, Jessup W, Dean RT, Brown AJ.
The Biochemical Journal 1998 Apr; 331 (Pt 1):231.
Application: WB-Ce, Mouse, Mouse macrophages

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Exfoliation Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
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- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
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- [Panic Disorder](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
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