

Anti-Clusterin Antibody [CLU/4729] - BSA and Azide free (A278140)

Specifications:

Name:	Anti-Clusterin Antibody [CLU/4729] - BSA and Azide free
Description:	Mouse monoclonal [CLU/4729] antibody to Clusterin.
Specificity:	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, $\hat{1}\pm$ and $\hat{1}^2$, are associated through disulfide bonds. The $\hat{1}^2$ subunit (also called ApoJ $\hat{1}\pm$) corresponds to residues 23-227. The $\hat{1}\pm$ subunit (also called ApoJ $\hat{1}^2$) corresponds to residues 228-449. Overexpression of Clusterin appears to be more common in late stages of mammary tumor progression. Clusterin markedly influences $\hat{1}^2$ -Amyloid structure and neuritic toxicity in vivo and may influence Alzheimer s pathogenesis.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 μ g/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 150-300, of human Clusterin protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	CLU/4729
Isotype:	IgG2c
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

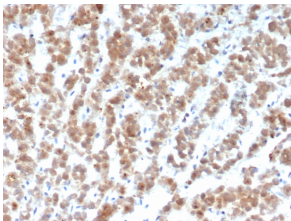
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Specifications continued:

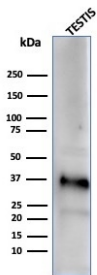
General Notes: This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-Clusterin Antibody [CLU/4729] (A277552).

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

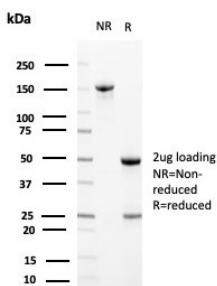
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human adrenal gland tissue using Anti-Clusterin Antibody [CLU/4729].



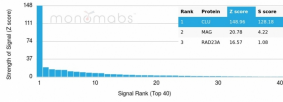
Western blot analysis of human testis tissue lysate using Anti-Clusterin Antibody [CLU/4729].



SDS-PAGE analysis of Anti-Clusterin Antibody [CLU/4729] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.

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Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-Clusterin Antibody [CLU/4729]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.