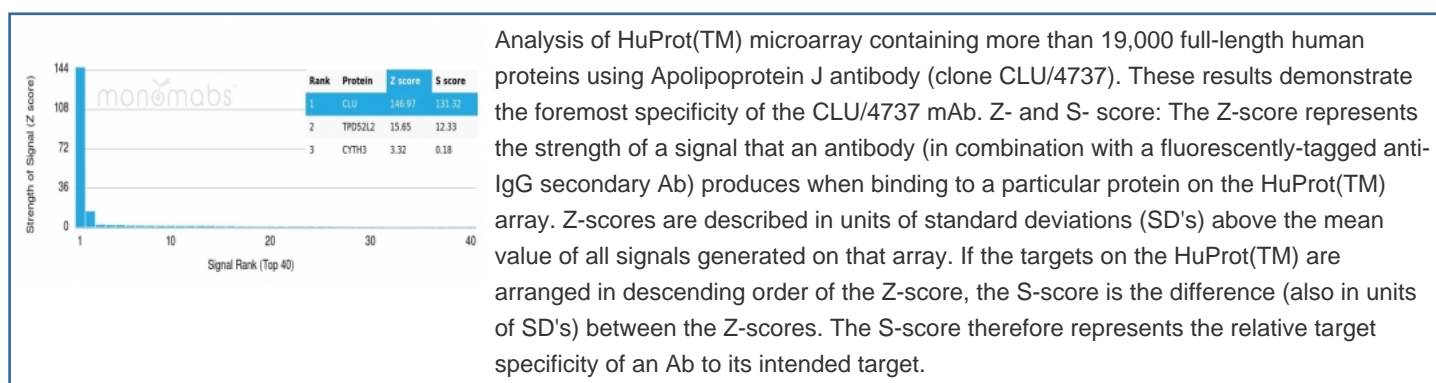


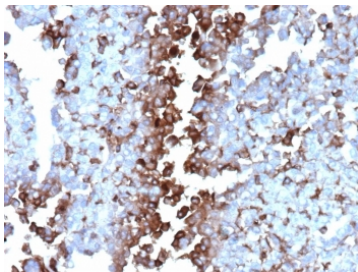
Apolipoprotein J Antibody / APO-J / Clusterin [clone CLU/4737] (V5663)

Catalog No.	Formulation	Size
V5663-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5663-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5663SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

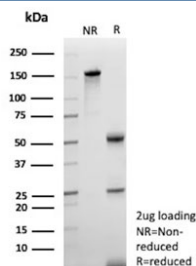
[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	CLU/4737
Purity	Protein G affinity
UniProt	P10909
Localization	Cytoplasm, Secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Apolipoprotein J antibody is available for research use only.





IHC staining of FFPE human adrenal gland tissue with Apolipoprotein J antibody (clone CLU/4737). Inset: PBS used in place of primary Ab (secondary Ab negative control).
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Apolipoprotein J antibody (clone CLU/4737) as confirmation of integrity and purity.

Description

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, $\tilde{\alpha}^1$ and $\tilde{\alpha}^3$, are associated through disulfide bonds. The $\tilde{\alpha}^1$ subunit (also called ApoJ $\tilde{\alpha}^1$) corresponds to residues 23-227. The $\tilde{\alpha}^3$ subunit (also called ApoJ $\tilde{\alpha}^3$) corresponds to residues 228-449. Overexpression of Clusterin appears to be more common in late stages of mammary tumor progression. Clusterin markedly influences $\tilde{\alpha}^3$ -Amyloid structure and neuritic toxicity in vivo and may influence Alzheimer's pathogenesis.

Application Notes

Optimal dilution of the Apolipoprotein J antibody should be determined by the researcher.

Immunogen

A portion of amino acids 150-300 from human Clusterin protein was used as the immunogen for the Apolipoprotein J antibody.

Storage

Aliquot the Apolipoprotein J antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.