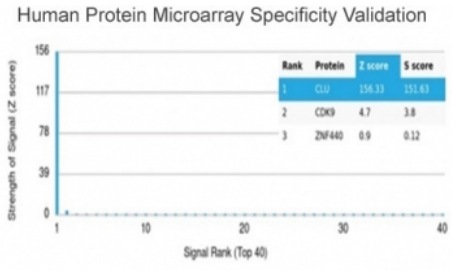
Clusterin Antibody / Apolipoprotein J / APO-J [clone CLU/4722] (V4049)

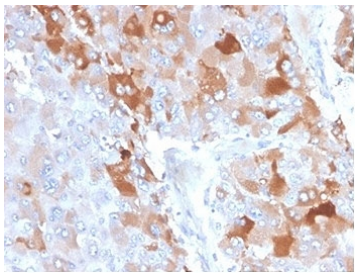
Catalog No.	Formulation	Size
V4049-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4049-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4049SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CLU/4722
Purity	Protein A/G affinity
UniProt	P10909
Localization	Cytoplasm, nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Clusterin antibody is available for research use only.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Clusterin antibody (clone CLU/4722). These results demonstrate the foremost specificity of the CLU/4722 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC staining of FFPE human adrenal gland with Clusterin antibody (clone CLU/4722). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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, -Amyloid structure and neuritic toxicity in vivo and may influence Alzheimer s pathogenesis.

This Clusterin antibody complements a related Clusterin antibody used to study CLU, APO-J, and Apolipoprotein J biology.

Application Notes

Optimal dilution of the Clusterin antibody should be determined by the researcher.

Immunogen

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

Storage

Aliquot the Clusterin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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