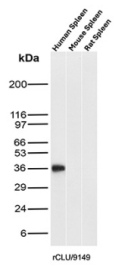
Recombinant CLU Antibody / Clusterin / Apolipoprotein J [clone rCLU/9149] (V5462)

Catalog No.	Formulation	Size
V5462-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5462-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5462SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

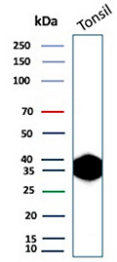
Recombinant | MOUSE MONOCLONAL

Bulk quote request

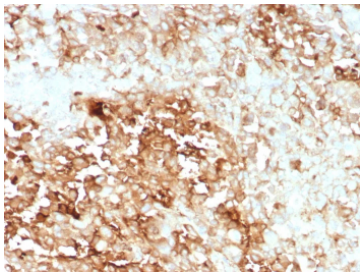
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	rCLU/9149
Purity	Protein A/G affinity
UniProt	P10909
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This recombinant CLU antibody is available for research use only.



Clusterin Antibody Spleen WB. Western blot analysis of human spleen, mouse spleen, and rat spleen tissue lysates using Clusterin antibody. The recombinant antibody clone rCLU/9149 detects a band at approximately 36-39 kDa, consistent with the predicted molecular weight of the processed alpha and beta subunits of Clusterin / CLU. Detection across spleen samples highlights expression of this secreted chaperone protein in immune-rich lymphoid tissue, aligning with its role in extracellular protein stabilization and regulation within the immune microenvironment.



Clusterin Antibody Tonsil WB. Western blot analysis of human tonsil tissue lysate using Clusterin antibody. The recombinant antibody clone rCLU/9149 detects a strong band at approximately 36-39 kDa, consistent with the predicted molecular weight of the processed alpha and beta subunits of Clusterin / CLU. Robust signal in tonsil reflects expression of this secreted chaperone protein in immune-rich lymphoid tissue, aligning with its role in extracellular protein stabilization and immune microenvironment regulation.



IHC staining of FFPE human adrenal gland tissue with recombinant CLU antibody (clone rCLU/9149). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

Recombinant CLU Antibody detects Clusterin, also designated complement lysis inhibitor (CLI), apolipoprotein J (APOJ), sulfated glycoprotein 2 (SGP2), SP40 and testosterone-repressed prostate message 2 (TRPM2), 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 Clusterin beta subunit (also called ApoJ-alpha) corresponds to residues 23-227. The alpha subunit (also called ApoJ-beta) corresponds to residues 228-449. Overexpression of Clusterin appears to be more common in late stages of mammary tumor progression. Clusterin markedly influences b-Amyloid structure and neuritic toxicity in vivo and may influence Alzheimer s pathogenesis.

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

Application Notes

Optimal dilution of the recombinant CLU antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 410-440) of human CLU protein was used as the immunogen for the recombinant CLU antibody.

Storage

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

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