

Recombinant Clusterin / Apolipoprotein J (APO-J) (Marker of Anaplastic Large Cell Lymphoma) Antibody

Mouse Monoclonal Antibody [Clone r7D1]

Catalog No	Format	Size
1191-MSM46-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1191-MSM46-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1191-MSM46-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

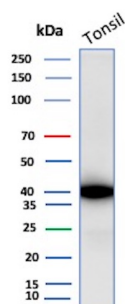
Applications	Tested Dilution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

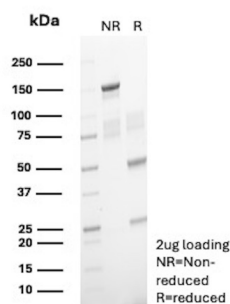
Clone	r7D1
Gene Name	CLU
Immunogen	Prokaryotic recombinant protein corresponding to a portion of the alpha subunit of the human clusterin molecule.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	70kDa (precursor); 36-39kDa (alpha); 34-36kDa (beta)
Cellular Localization	Cytoplasm, Secreted
Species Reactivity	Human
Positive Control	Human pancreas, tonsil or cervix. brain, liver

*Optimal dilution for a specific application should be determined.

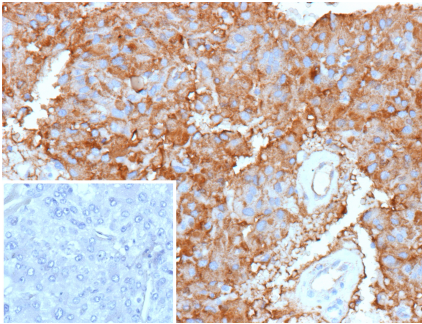
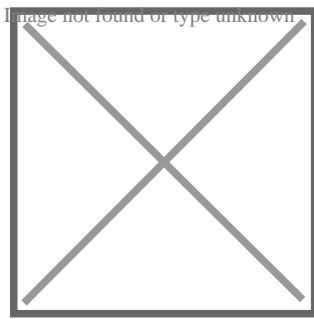
Product Images for Recombinant Clusterin / Apolipoprotein J (APO-J) (Marker of Anaplastic Large Cell Lymphoma) Antibody



Western blot analysis of human tonsil tissue lysate using Clusterin / APOJ Recombinant Mouse Monoclonal Antibody (r7D1).



SDS-PAGE Analysis of Purified APOJ Recombinant Mouse Monoclonal Antibody (r7D1). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of brain and liver tissue lysates of different species using Clusterin / APOJ Recombinant Mouse Monoclonal Antibody (r7D1).

Formalin-fixed, paraffin-embedded human adrenal gland stained with Clusterin Recombinant Mouse Monoclonal Antibody (r7D1). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

Clusterin, also known as apolipoprotein J (ApoJ), complement lysis inhibitor (CLI), gp80, glycoprotein III, sulfated glycoprotein 2 (SGP2), SP40-40, testosterone-repressed prostate message 2 (TRPM2), and T64, is a secretory, heterodimeric glycoprotein of approximately 80 kD composed of two disulfide-linked subunits, alpha (residues 228–449) and beta (residues 23–227). It is synthesized as a 449-amino acid polypeptide and post-translationally cleaved at an internal bond between Arg 227 and Ser 228. Clusterin interacts with a broad range of molecules and plays a role in diverse biological processes, including immune regulation, lipid transport, sperm maturation, complement cascade regulation, membrane recycling, cell adhesion, morphological transformation, tissue remodeling, and cell-cell interactions. It also influences β -amyloid structure and neuritic toxicity in vivo, suggesting a potential role in Alzheimer's disease pathogenesis. Notably, Clusterin overexpression is more common in the late stages of mammary tumor progression.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Complement System, Immunology, Neuroscience