

## Product datasheet for **AM01332PU-N**

### Clusterin (CLU) Mouse Monoclonal Antibody [Clone ID: 3R3/2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3R3/2
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	ELISA. Western Blot. Flow Cytometry. Immunohistochemistry on frozen sections. Recommended Positive Control: Kidney from post streptococcal glomerulonephritis patients.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Glomerular basement membrane from a post-mortem kidney.
Specificity:	This antibody recognises clusterin, an ubiquitously expressed protein of two 40-kD chains, alpha and beta, covalently joined by disulfide bonds.
Formulation:	Borate buffered saline pH 8.4 containing 0.02% Sodium Azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	clusterin
Database Link:	<a href="#">Entrez Gene 1191 Human P10909</a>



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**Background:**

Clusterin exists in two forms; a pro-apoptotic form localised to the nucleus and a pro-survival secreted form. Both are thought to be involved in DNA repair and cell cycle regulation. The secreted form is thought to inhibit apoptotic signalling by BAX, Clusterin suppression can sensitise cells to chemotherapy. Clusterin is overexpressed in human prostate cancer, breast cancers and squamous cell carcinomas. Part of the SC5b-9 complex, clusterin prevents the binding of a C5b-C7 complex to the membrane of the target cell inhibiting the complement cascade. Clusterin acts as an extracellular chaperone inhibiting the formation of human lysozyme amyloid associated with Alzheimers disease. Clusterin is also important in spermatogenesis and is secreted by Sertoli cells.

**Synonyms:**

Clusterin, APOJ, CLI, KUB1, AAG4, NA1/NA2, SP-40,40