



## *Monoclonal Anti-human Clusterin Antibody*

### ORDERING INFORMATION

**Catalog Number:** MAB29372

**Clone:** 350270

**Lot Number:** CALK02

**Size:** 500 µg

**Formulation:** 0.2 µm filtered solution in PBS  
with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human Clusterin

**Immunogen:** NS0-derived rhClusterin

**Ig class:** mouse IgG,

**Recommended Application:**  
ELISA capture

### ***Background***

Clusterin, also known as apolipoprotein J and sulfated glycoprotein 2, is a multifunctional secreted protein that is widely expressed in tissues. The amino acid sequence of human Clusterin is 98%, 79%, 77%, 76% and 48% identical to that of chimpanzee, canine, rat, mouse and chicken.

### ***Preparation***

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, NS0-derived, recombinant human Clusterin (rhClusterin; aa 75 - 501; Accession # NP\_001822). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### ***Reconstitution***

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 500 µg/mL.

### ***Storage***

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C in a **manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody detects rhClusterin in direct ELISAs.

### ***Application***

**ELISA capture** - This product can be used as a capture reagent in a human Clusterin sandwich immunoassay in combination with biotinylated human Clusterin detection antibody (Cat. # BAM29373) and recombinant human Clusterin (Cat. # 2937-HS) as the standard. The suggested coating concentration range is 2 - 8 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at [www.RnDSystems.com/go/MAPELISA](http://www.RnDSystems.com/go/MAPELISA).

**Optimal dilutions should be determined by each laboratory for each application.**