

PRODUCT DATA SHEET

Product: Anti-Clusterin mAb, clone CLI-9

Cat. No.: MC-495 (100 µg)

Synonyms:

Anti-TRPM-2, anti-Apolipoprotein J, anti-CLI, anti-SGP-2, anti-CLU, anti-APO-J

Background:

Clusterin is the first identified extracellular mammalian chaperone and appears to be implicated in such diverse processes as sperm maturation, regulation of complement activation, programmed cell death, tissue remodeling and lipid transport. Increases in clusterin mRNA and protein have been consistently detected in apoptotic cell death paradigms, establishing clusterin gene expression as a prominent marker of apoptotic cell loss. A dual role has been shown for clusterin in that cells can be protected from damage and dead cells can be more easily removed after some types of cellular damage.

Specificity:

Recognizes human clusterin.

Species Reactivity:

Human. Others not tested.

Ig Isotype:

Mouse IgG₁

Immunogen:

Purified human clusterin (TRPM-2).

Format:

100 µg of liquid purified monoclonal antibody at 1 mg/mL in PBS containing 0.02% sodium azide.

Purity:

≥ 95% as determined by SDS-PAGE.

Storage:

Store at 4°C. Do not freeze.

Applications and Suggested Dilutions:

- Immunohistochemistry: Frozen sections.
- Immunoprecipitation
- Immunocytochemistry
- Western blot: Use at approximately a 1:2,000 dilution.

The optimal dilution for a specific application should be determined by the researcher.

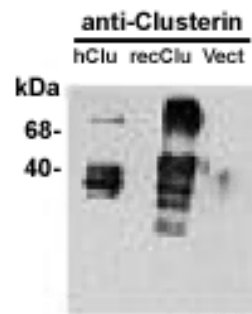


Figure: Detection of natural human clusterin in transfected HEK 293T cells with MC-495.

Method: Endogenous human clusterin from cell lysates was resolved by SDS-PAGE under reducing conditions, transferred to nitrocellulose and incubated with a 1:2,000 dilution of MC-495. Proteins were visualized using an HRP-conjugated anti-mouse IgG antibody and a chemiluminescence detection system.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.