

Anti-Human Clusterin Antibody [PSH15-55] - BSA and Azide free (Capture)

HA725091



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| Product Type: | Recombinant Rabbit monoclonal IgG, primary antibodies |
| Species reactivity: | Human, Cynomolgus monkey |
| Applications: | ELISA(Cap) |
| Clone number: | PSH15-55 |

Description: Clusterin (apolipoprotein J) is a 75-80 kDa disulfide-linked heterodimeric protein associated with the clearance of cellular debris and apoptosis. In humans, clusterin is encoded by the CLU gene on chromosome 8. CLU is a molecular chaperone responsible for aiding protein folding of secreted proteins, and its three isoforms have been differentially implicated in pro- or antiapoptotic processes. Through this function, CLU is involved in many diseases related to oxidative stress, including neurodegenerative diseases, cancers, inflammatory diseases, and aging.

Immunogen: Recombinant protein within Human Clusterin aa 23-449 (HA210955).

Positive control: Recombinant Human Clusterin protein (HA210955).

Subcellular location: Nucleus, Cytoplasm, Mitochondrion membrane, cytosol, Microsome, Endoplasmic reticulum, Mitochondrion, perinuclear region, Cytoplasmic vesicle, secretory vesicle, chromaffin granule.

Database links: SwissProt: P10909 Human

Recommended Dilutions:

ELISA(Cap)

Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [PSH15-56] to Human Clusterin antibody (Detector) (HA725092) and Recombinant Human Clusterin protein (HA210955) as the standard. The reference range value is 1.370-1000 ng/mL.

Storage Buffer: 1*PBS (pH7.4).

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

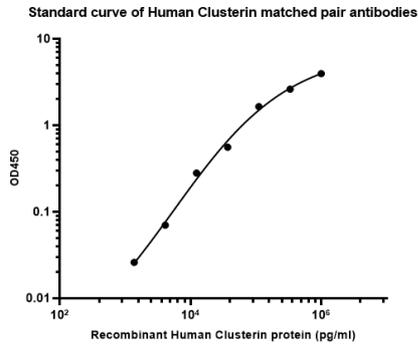
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Images

Fig1: Sandwich ELISA analysis of Human Clusterin matched pair antibodies

Capture: HA725091, Human Clusterin Rabbit mAb [PSH15-55]

Detector: HA725092, Human Clusterin Rabbit mAb [PSH15-56]



Elisa assay was performed by coating wells of a 96-well plate with 100 μ l per well of capture antibody (HA725091) diluted in carbonate/bicarbonate buffer, at a concentration of 0.5 μ g/ml overnight at 4 $^{\circ}$ C. Wells of the plate were washed, blocked with 150 μ l 0.05% tween-20 1% BSA blocking buffer, and incubated with serial diluted Recombinant Human Clusterin protein (HA210955) starting from 1000,000 pg/ml to 0 pg/ml and detect antibody (HA725092, Biotin, 0.5 μ g/ml) for 1 hour at 30 $^{\circ}$ C with shaking. Then the plate was washed and incubated with 100 μ l per well of SA-HRP for 0.5 hour at 30 $^{\circ}$ C with shaking. Detection was performed using an Ultra TMB Substrate for 10 minutes at room temperature in the dark. The reaction was stopped with sulfuric acid and absorbances were read on a spectrophotometer at 450 nm.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. De Miguel Z et al. Exercise plasma boosts memory and dampens brain inflammation via clusterin. Nature. 2021 Dec
2. Yuste-Checa P et al. The chaperone Clusterin in neurodegeneration-friend or foe? Bioessays. 2022 Jul

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