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Clusterin Canine, HEK

Description: Clusterin Canine Recombinant produced in HEK293 cells is a glycosylated, Polypeptide chain containing 436 amino acids and having a molecular mass of 50.72 kDa. The protein is fused with 13 amino acid Flag tag at N-Terminus.The Apoliprotein-J Canine is purified by proprietary chromatographic techniques.

Synonyms:CLI, AAG4, KUB1, SGP2, SGP-2, SP-40, TRPM2, MGC24903, Clusterin, Glycoprotein 80, Gp80, CLU.

Source: Human Embryonic Kidney 293 Cells.

Amino Acid Sequence:PGDYKDDDDK PAGDQAVSDT ELQEMSTEGS KYINKEIKNA LKGVKQIKTL IEQTNEERKS LLSNLEEAKK KKEDALNDTK DSETKLKASQ GVCNDTMMAL WEECKPCLKQ TCMKFYARVC RSGSGLVGHQ LEEFLNQSSP FYFWMNGDRI DSLLENDRQQ THALDVMQDS FNRASSIMDE LFQDRFFTRE PQDTYHYSPF SLFQRRPFFN PKFRIARNII PFPRFQPLNF HD

Purity: Greater than 95% as determined by SDS PAGE.

Formulation:
Canine Clusterin was filtered (0.4

Stability:
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:
ELISA, Western Blot.

Solubility:
It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it on cell culture.

Introduction:
Clusterin mRNA and Clusterin protein are shown to increase with androgen treatment. Binding of clusterin to the LDL-Receptor plays a role in the pathogenesis of membranous glomerulonephritis. Clusterin is down regulated in CaP in association with matched benign controls. Clusterin is involved in cellular senescence and tumorigenesis. Clusterin is involved in photo-oxidative cell death pathway. Clusterin is a functional tumor marker for the diagnosis of pediatric large cell lymphoma. Clusterin is activated in low pH. Clusterin is involved in the inhibition of NF-kappaB signaling throµgh stabilization of IkappaBs thus results in suppression of tumor cell motility. N-terminal deletion of clusterin is vital for its alterations of biogenesis in esophageal squamous cell carcinoma.

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