**Product Specifications**

**Description:**
Clusterin (Apolipoprotein J) mouse monoclonal antibody

**Immunoglobulin class:** IgG1, Kappa

**Clone:** 7D1

**Immunogen:** Recombinant protein representing a region of the alpha subunit of the human clusterin molecule.

**Epitope:** See Immunogen.

**Presentation:** Lyophilized tissue culture supernatant containing 15mM sodium azide. Reconstitute with 1ml of distilled water.

**Species cross-reactivity:** Human

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that reconstituted stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**
Paraffin sections: Antigen unmasking recommended. Frozen sections: Acetone fixation recommended. Working Dilution*: 1:30 - 1:60 for 1 hr. at 25 °C. Positive Control: Tonsil. Predominantly cytoplasmic staining pattern, but membrane and extracellular staining may also be seen.

**Western blotting:** Not recommended.

* Recommended dilutions using VECTASTAIN® Elite® ABC Kits.

**Functional Aspects:**
Clusterin has several names including apolipoprotein J. This protein is implicated in numerous biological functions including sperm maturation, lipid transport, regulation of the complement cascade, membrane recycling, cell death, immune regulation, cell adhesion and morphological transformation. It is found in certain conditions such as amyloid disorders, Alzheimer’s disease, breast cancer and anaplastic large cell lymphoma. This antibody will help identify clusterin in a variety of tissue types.

**Selected References**