

Amyloid A4 / Amyloid Beta

Catalog # RB-9221-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)

Catalog # RB-9221-R7 (7.0ml)

Catalog # RB-9221-PCS

INTENDED USE:

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** Amyloid beta-protein/amyloid A4 or amyloid beta-peptide is derived from the amyloid beta-precursor protein. Beta amyloid is an extracellular filamentous protein component of amyloid cores, neuritic plaques and is also found as a deposit in neurofibrillary tangles. In man, Alzheimer's disease is the most common cause of senile dementia and is characterized by abnormal filamentous protein deposits in the brain. Beta amyloid deposits are also detected in Lewy-body dementia, Down's syndrome, amyloidosis (Dutch type) and in the Guam Parkinson-Dementia complex.
- **Expected Staining Pattern:** Transmembrane (APP) and extracellular (amyloid beta)
- **Positive Control:** Human brain of Alzheimer's disease

MATERIALS PROVIDED:

Amyloid A4 / Amyloid Beta (refer to catalog number):

- #RB-9221-P (or -P0, -P1): 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.
- or
- #RB-9221-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
- or
- #RB-9221--PCS: 5 positive control slides.
- **Antibody Concentration:** 200ug/ml
- **Host:** Rabbit
- **Mol. Wt. of Antigen:** 102kDa (precursor) 4-5kDa (mature)
- **Epitope:** aa 8-17
- **Species Reactivity:** Human. Others not tested.
- **Immunogen:** A synthetic peptide from aa 8-17 of human amyloid beta-protein.
- **Microbiological State:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED:

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

METHODS AND PROCEDURES:

Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:30 in antibody diluent
Tissue Section Pretreatment	Staining of formalin-fixed tissue sections requires treating the tissue sections in 95% formic acid for 5-30 minutes at RT followed by thorough washing in distilled water
Primary Antibody Incubation Time	30 minutes at Room Temperature
Visualization	To detect antibody, follow the instructions provided with the visualization system.

STORAGE and STABILITY:

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.