

ANTIGENIX AMERICA Inc.

PRODUCT INFORMATION SUMMARY

Anti-Beta Amyloid (Peptide 42)

(C-Terminal)

Purified Antibody
Biotin Conjugate

Product Number NS22020 0.5 mg
Product Number NS22020B 0.1 mL

SPECIFICITY:

Mouse monoclonal antibody to C-terminal sequence of Human Amyloid Beta peptide 42. Reacts with the C-terminal peptide region (MVGGVVIA) and also full length peptide 42. **No** X-reactivity with the Beta Amyloid Peptide 40 and **minimal** reactivity to Peptide 43. Peptides 42 and 40 may have a role in predicting Alzheimer's disease. Peptide 42 is known for role in formation of brain plaques and pathogenesis of Alzheimer's disease.

A low ratio of Peptide 42/Peptide 40 in CSF is believed to be associated with increased risk for cognitive impairment.

SPECIES X-reactivity: Non-Human Primates; Mouse, Rat

IMMUNOGLOBULIN CHAIN COMPOSITION: Mouse IgG2b, kappa

SOURCE: Affinity Purified using Protein G.

CLONE: B3C11

RESEARCH APPLICATIONS:

ELISA as tracer with MP100333C as capture antibody to detect peptide 42 in sandwich ELISA

Working Dilution: Biotin Tracer 1:5,000 - 1:10,000 (Optimize)

Immuno-blot using approx. 1.0 ug/mL on 10.0 ng/dot of amyloid beta protein 40 or Protein 42.

Studies of Amyloid beta and its role in Alzheimer's disease.

HANDLING AND STORAGE:

Capture Antibody supplied as lyophilized from PBS, additive free. Reconstitute with 500.0 uL distilled water.

Biotin Tracer: provided liquid PBS with 1% gelatin and 0.1% proclin preservative. Store @ -20 Deg C. Store aliquots @ - 20° C. AVOID repeat freeze / thaw.

www.antigenix.com

RESEARCH USE ONLY

NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.