

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.**