

ANTIGENIX AMERICA Inc.

PRODUCT INFORMATION SUMMARY

Matched Antibody Pair

Human Beta Amyloid (peptide 40)

(MONOCLONAL ANTIBODY)

CAPTURE Antibody (Clone B8) Product No. MP100333C 0.5 mg

Biotin Tracer Antibody (Clone B10) Product No. MP100333B 0.1 mL

MATCHED ANTIBODY PAIR for ELISA

SPECIFICITY:

CAPTURE: Mouse monoclonal antibody to N-terminal sequence of Human Amyloid Beta peptide 42. Reacts with the N-terminal peptide region (DAEFRHDS) of human Beta Amyloid peptides and also full length peptide 40, and peptide 43. The Beta Amyloid peptides 40, 42, and 43 differ only at the C-terminal ends, the N-terminal specific Capture antibody (MP100333C) can bind all three Beta Amyloid peptides. Peptides 42 and 40 may have a role in predicting Alzheimer's disease. Peptide 43 is more fibrillogenic and may serve as a therapeutic target in Alzheimer's disease.

Detection of protein 40 may be useful in prediction 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.

Immunogen: Full length Beta Amyloid peptide 42

Mouse IgG1, Kappa

Provided: Lyophilized (PBS) - **additive-free** -

Reconstitute: use 500 uL distilled water - STORE @ -20 deg. C.

Western Blot: Reactive (1:1500) observed to detect peptides 40 and 42

TRACER: Mouse Monoclonal antibody specific for C-terminal of Beta Amyloid peptide 40. **Biotin-labeled.**

Immunogen: Short peptide (GLMVGGVV) corresponding to C-terminal sequence of Beta Amyloid peptide 40.

Mouse IgG1, Kappa

Provided: 100.0 uL Biotin concentrate, with 0.1% gelatin,
0.1% proclin preservative- STORE @ -20 Deg. C.

AVOID repeat freeze-thaw.

RESEARCH APPLICATIONS:

ELISA (1:1000 - 1:1500 Optimize) antibody pair to detect peptide 40 in sandwich ELISA

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

RESEARCH USE ONLY www.antigenix.com

NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.