# DATASHEET

Mouse anti-amyloid beta Aβ (McSA1)  

**PRODUCT NAME**  
Amyloid-beta (Aβ) antibody

**BACKGROUND INFORMATION**  
Progressive deposition of insoluble aggregates of the 39 to 43 amino acid amyloid β (Aβ) peptide derived from the proteolytic cleavage of the amyloid β-protein precursor (AβPP), gives rise to one of the pathological hallmarks of Alzheimer’s disease (AD). The formation of Aβ fragments is a critical determinant in unleashing AD neuropathology.

**PRODUCT DESCRIPTION**  
A highly specific and sensitive antibody for amyloid beta protein.

**FORMAT**  
100 µg of lyophilized antibody. **Reconstitute in 100 µl of distilled H2O for a 1 µg/µl solution.** It contains no additives.

**HOST**  
Mouse

**CLONALITY**  
Monoclonal

**ISOTYPE**  
IgG1, kappa chain

**REACTIVITY / SPECIFICITY**  
Both neuritic and diffuse plaques can be detected as well as cerebrovascular amyloid in affected cortex of Alzheimer’s disease (AD) brain by ICC. **Specific for:** human and mouse.

**APPLICATIONS**  
Immunohistochemistry (IHC), Electron microscopy immunocytochemistry (ICC), Immunoprecipitation (IP)

**RECOMMENDED STARTING DILUTIONS**  
If reconstituted in 100 µl: IHC / ICC 1:500. Optimal dilution has to be determined by the user.

**STORAGE**  
Lyophilized antibody can be kept at 4°C for up to 3 months and should be kept at -20°C for long-term storage. To avoid freeze-thaw cycles, reconstituted antibody should be aliquoted before freezing for short-term storage (-20°C) or for long-term storage (-80°C). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer.

**STABILITY**  
Minimum 1 year from reception date.

**REFERENCES**


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<th>Author(s)</th>
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<th>Journal/Volume/Issue</th>
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<td>12</td>
<td>Hernandez, D., Sugaya, K., Qu, T., McGowan, E., Duff, K., and McKinney, M.</td>
<td>Survival and plasticity of basal forebrain cholinergic systems in mice transgenic for presenilin-1 and amyloid precursor protein mutant genes</td>
<td>Neuroreport 12, 2001</td>
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<td>Grant, S.M., Ducatenzeiler, A., Szyf, M., and Cuello, A.C.</td>
<td>Abeta immunoreactive material is present in several intracellular compartments in transfected, neuronally differentiated, P19 cells expressing the human amyloid beta-protein precursor</td>
<td>J Alzheimers Dis 2, 2000</td>
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**LIMITATIONS**

This product is to be used for research purposes only.