

FUJIFILM**Wako**Code No. 014-26901 (10 μ L)
010-26903 (50 μ L)**Anti Amyloid β 42 (43), Monoclonal Antibody (BC05)**
抗アミロイド β 42 (43), モノクローナル抗体 (BC05)**Background**

Amyloid β (A β) is a peptide which consists of about 40 amino acids. A β is considered the cause of Alzheimer's disease, because it is a major component of senile plaques formed in brains of Alzheimer's disease patients. A β has several types differing in length of the amino acid. The main types are A β 40 (40 amino acid), A β 42 (42 amino acid), and A β 43 (43 amino acid). This item is a mouse monoclonal antibody that specifically reacts with A β 42 and A β 43¹⁾. The antibody was developed by Takeda Pharmaceutical Company Limited.

Description

[Reactivity]	Reacts with Amyloid β 42 and Amyloid β 43
[Antigen]	35-43 a.a of human Amyloid β
[Species cross reactivity]	Human, Mouse and Rat
[Clone No.]	BC05
[Host]	Mouse
[Isotype]	IgG1 $\cdot$ κ
[Purification]	Protein A-affinity purified
[Concentration]	Indicated on the label
[Formulation]	PBS with 0.05% Sodium Azide

Applications

Western Blot ²⁾³⁾⁶⁾	1 : 100-1,000
Immunohistochemistry ⁴⁾⁵⁾	1 : 500-5,000
ELISA ¹⁾²⁾³⁾⁶⁾	1 : 100-1,000

Optimal concentration should be determined by each laboratory for each application.

Storage

Store at -20 °C.
Avoid repeated freeze and thaw.

Package

Code No.	Packaging
014-26901	10 μ L
010-26903	50 μ L

References

- 1) Asami-Odaka, A., *et. al.* : *Biochemistry*, **34**, 32, 10272 (1995).
- 2) Tomita, T., *et. al.* : *J. Neurosci.* **19**, 24, 10627 (1999).
- 3) Sudoh, S., *et. al.* : *J. Neurochem.* **71**, 4, 1535 (1998).
- 4) Iwatsubo, T., *et. al.* : *Am J. Pathol.*, **149**, 6, 1823 (1996).
- 5) Nunomura, A., *et al.* : *J. Neuropathol. Exp. Neurol.*, **59**, 11, 1011 (2000).
- 6) Iwata, H., *et. al.* : *J. Biol. Chem.*, **276**, 24, 21678 (2001).

Acknowledgement

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