

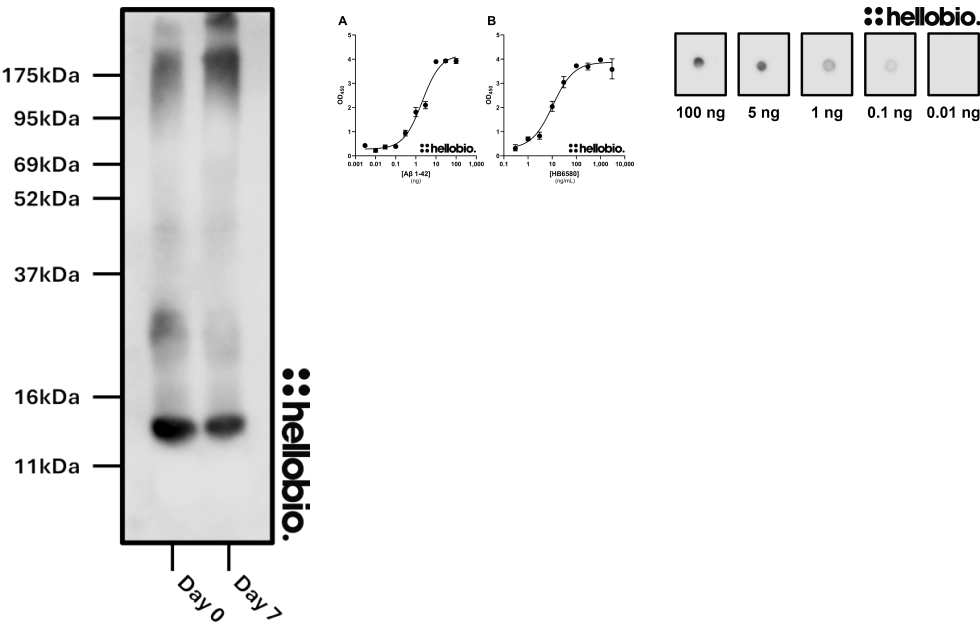
DATASHEET

Anti-Amyloid Beta Antibody ValidAb™

Product overview

Name	Anti-Amyloid Beta Antibody ValidAb™
Cat No	HB6580
Host	Mouse
Clonality	Monoclonal
Target	Amyloid Beta
Description	Antibody to Amyloid Beta (Aβ) - neurotoxic peptide species that aggregates into plaques. Part of the ValidAb™ range of highly validated, data-rich antibodies.

Validation data



Product information

Immunogen	Carrier protein conjugated with residues 1-17 of human Aβ1-42
Clone number	BAM7cc
Isotype	IgG1
Purification	Protein A affinity chromatography
Concentration	1mg/ml
Formulation	Lyophilized. When reconstituted contains PBS with 1% recombinant albumin and 0.09% sodium azide
Predicted species reactivity	Human
Tested species reactivity	Human

Tested applications

Applications	ELISA, WB
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Application notes

This antibody was raised to a N-terminal sequence of Amyloid Beta therefore will not recognise Amyloid β 25-35 peptide species.

Target information

UniProt ID	P05067 (Amyloid Precursor Protein)
NCBI full gene name	APP
Entrez gene ID	351
Amino acids	Dependent upon A β species however the most common species are: <ul style="list-style-type: none">• Amyloid Beta 1-40• Amyloid Beta 1-42• Amyloid Beta 25-35 (not recognized by this antibody)

Storage & Handling

Storage instructions	-20 °C then use reconstitution advice
Reconstitution advice	Upon receipt store at either -20 °C or -80 °C.

For 100 μ g packs either:

- Reconstitute with 100 μ l dH₂O and store at 4 °C
- Reconstitute with 50 μ l dH₂O and 50 μ l glycerol then store at -20 °C
- Reconstitute with 100 μ l dH₂O, aliquot then snap freeze and store at -80 °C

For 25 μ g packs either:

- Reconstitute with 25 μ l dH₂O and store at 4 °C
- Reconstitute with 12.5 μ l dH₂O and 12.5 μ l glycerol then store at -20 °C
- Reconstitute with 25 μ l dH₂O, aliquot then snap freeze and store at -80 °C

For more information [read our guide](#) on the best care for your product. Take care when opening as the precipitate is extremely light and can easily be lost if disturbed. When reconstituting make sure that the antibody is thoroughly dissolved by pipetting up and down before giving the antibody a brief spin at 10,000g to make sure that all material is recovered and at the bottom of the tube.

Important

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

References

Amyloid beta: structure, biology and structure-based therapeutic development

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Amyloid β -peptide (1-42)-induced oxidative stress in Alzheimer disease: importance in disease pathogenesis and progression

Butterfield DA, Swomley AM, Sultana R. (2013) Antioxid Redox Signal
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3D structure of Alzheimer's amyloid-beta(1-42) fibrils

Lührs T, Ritter C, Adrian M, Riek-Loher D, Bohrmann B, Döbeli H, Schubert D, Riek R. (2005) Proc Natl Acad Sci USA
PubMedID [16293696](#)