

## Anti-h Amyloid beta (40) R13611 SPTN-5

### Product overview

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<b>Catalog number</b>	140058
<b>Specificity</b>	Antibody recognizes the C-terminus of amyloid beta peptide 1-40
<b>Description</b>	Recombinant mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	Unspecified, storage at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	Altered levels of amyloid beta are commonly associated with neurodegenerative diseases, such as Alzheimer's disease. It is one of the primary components of amyloid plaques found in the brain of affected individuals.

### Parameters tested on each lot

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<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/-10 %) (A280 nm, 1 mg/ml, 1 cm = 1.5)
<b>Immunoreactivity</b>	80–120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	6.7–7.4
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	1.4 x 10 <sup>5</sup> 1/Ms
<b>Dissociation rate constant</b>	Does not dissociate under conditions used.
<b>Affinity constant</b>	Not applicable (N/A)
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	N-terminally biot. Amyloid beta peptide 1-40, Agro-Bio (Cat N/A)



#### Legal disclaimer

**Cross-reactivities** Does not recognize amyloid beta 1-38 or 1-42

**Epitope** Within amino acids 34-40 in amyloid beta

**Pair recommendations**

		DETECTION	
		R13611	R13621
CAPTURE	R13611	-	+
	R13621	-	-

Following pair is recommended for the detection of amyloid beta 1-40:  
FIA: R13611 (capture) – R13621 (detection)

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

**Platforms tested** FIA

**Antigens tested** N/D

Product stability	TEMPERATURE, TIME	RESULT
	-70 °C, 21 days	OK
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+35 °C, 7 days	OK
	+35 °C, 21 days	Minor charge alterations
	+45 °C, 3 days	OK
	+45 °C, 7 days	Minor charge alterations

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

**Miscellaneous** -

**References** -



**Legal disclaimer**