

Anti-Clostridium botulinum E Toxoid antibody [209F2] ab40787

1 References

Overview

Product name	Anti-Clostridium botulinum E Toxoid antibody [209F2]
Description	Mouse monoclonal [209F2] to Clostridium botulinum E Toxoid
Host species	Mouse
Specificity	BoTox-E (2-17) 100%; BoTox-E 100% Does not cross react with BoTox-A, BoTox-B, BoTox-C or BoTox-F (1-16)
Tested applications	Suitable for: ICC/IF, Inhibition Assay
Species reactivity	Reacts with: Clostridium botulinum
Immunogen	Synthetic peptide analogue of the amino terminal region of BoTox-E.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituent: Tissue culture supernatant
Purity	Tissue culture supernatant
Purification notes	Sterile filtered culture supernatant.
Clonality	Monoclonal
Clone number	209F2
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab40787 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		
Inhibition Assay		

Application notes

IF: 1/50.

This product has been found to stain Neuro2A cells treated with GT1b ganglioside prior to the addition of BoTox-E at a dilution of 1:50 using an indirect immunocytochemical staining procedure.

Inhib: Use at an assay dependent dilution.

This product has been found to inhibit the entry of BoTox-E to Neuro2A cells treated with GT1b ganglioside prior to the addition of the toxin.

With this antibody, we have found that blocking with 5% goat or donkey serum significantly reduces background as compared to BSA or milk.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance

Clostridium botulinum E Toxoid acts by inhibiting neurotransmitter release. It binds to peripheral neuronal synapses, is internalized and moves by retrograde transport up the axon into the spinal cord where it can move between postsynaptic and presynaptic neurons. It inhibits neurotransmitter release by acting as a zinc endopeptidase. It has a non-toxic component which is necessary to maintain toxicity.

Cellular localization

Secreted

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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