



Mouse Anti-Polysialic acid monoclonal antibody, clone 735 (CPBT-LL012)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Recognises Polysialic acid (PSA), a carbohydrate polymer attached to the neural cell adhesion molecule (NCAM), which shares molecular epitopes with homopolymers of α 2,8-linked sialic acid of Escherichia coli K1.
Target	Polysialic acid (PSA)
Immunogen	Homopolymers of α 2,8-linked sialic acid of Escherichia coli K1.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Rat, Human, Mouse
Clone	735
Purification	Protein A affinity purified.
Conjugate	Unconjugated
Applications	IP, FC, IHC
Format	Liquid
Concentration	1 mg/mL
Size	200 μ g
Buffer	PBS
Preservative	0.02% Proclin 300.

Storage	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
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Ship	Wet ice
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BACKGROUND

Introduction	Polysialic acid is an unusual posttranslational modification that occurs on neural cell adhesion molecules (NCAM). Polysialic acid is considerably anionic. This strong negative charge gives this modification the ability to change the protein's surface charge and binding ability. In the synapse, polysialation of NCAM prevents its ability to bind to NCAM's on the adjacent membrane.
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