

Anti-Polysialic acid [735] Bulk Size Ab00240-1.6-BT

This is a Fab fragment with a his-tag.

This reformatted murine antibody was made using the variable domain sequences of the original murine IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse Fab fragment, His-Tagged, Kappa

Clone Number: 735

Alternative Name(s) of Target: PSA; N-CAM; neural cell adhesion molecule; polySA

UniProt Accession Number of Target Protein:

Published Application(s): immunoblot, IP, WB, FC, IHC

Published Species Reactivity: Rat, Human, Mouse

Immunogen: Homopolymers of α 2,8-linked sialic acid of Escherichia coli K1.

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.

Application Notes: Clone 735 was used for immunostaining and immunoprecipitation in an experimental setup involving antigen preparation from PBMC (Peripheral Blood Mononuclear Cells) (Husmann et al., 1989; PMID: 2529126). This antibody recognises an unusual postranslational modification on neural cell adhesion molecules important in synaptogenesis, oncogenesis (particularly small-cell lung cancer) and development of organs such as the kidney (studied in rats, Lackie et al., 1990). 735 was used for Western blot analysis of PSA-NCAM (Polysialylated Neural Cell Adhesion Molecule) (Charter et al., 2000; PMID: 11030751). In addition to various studies on human cells, the antibody, has also been used the study the fine-composition of poly-sialic acid composition in mice (Galuska et al., 2006).

Antibody First Published in: Bitter-Suermann & Roth Monoclonal antibodies to polysialic acid reveal epitope sharing between invasive pathogenic bacteria, differentiating cells and tumor cells. Immunol Res. 1987;6(4):225-37. [PMID:2448401](#)

Note on publication: Describes the generation of this antibody.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification:

Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.