

## Anti-N-acetyl-ganglioside (GM1/2/3) [A3] Standard Size Ab01136-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** A3

**Alternative Name(s) of Target:**

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA

**Published Species Reactivity:** Human

**Immunogen:** The antibody was generated by injecting BALB/c mice with GM1 ganglioside incorporated into liposomes.

**Specificity:** Broader specificity than E1, binding strongly to GM1 and GM2, and showing moderate binding to GM3. The antibody recognises only the N-acetylneuraminic acid derivatives of gangliosides; no N-glycolylneuraminic acid derivatives are recognised.

**Application Notes:** ELISA demonstrated A3 binds strongly to GM1 and GM2, and exhibits moderate binding to GM3 (Alfonso et al, 1995).

**Antibody First Published in:** Alfonso et al, 1995. T Cell-Independent Cell Response to Self-Monosialogangliosides: Primary Response Monoclonal Antibodies Hybridoma. 1995 Jun;14(3):209-16

[PMID:7590782](#)

**Note on publication:** Describes the original generation of A3 and its characterisation through ELISA.

### Product Form

**Size:** 50 µg Purified antibody.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.