

Anti-Tn Antigen [237mAb] Standard Size Ab00382-10.3

Recombinant monoclonal antibody to Tn Antigen. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma 237mAb. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 237mAb

Alternative Name(s) of Target: O-linked N-acetylgalactosamine on a threonine or serine residue

UniProt Accession Number of Target Protein:

Published Application(s): WB, ELISA

Published Species Reactivity: Human, Mouse

Immunogen: The glyco-dodecapeptide ERGT(GalNAc)KPPLEELS.

Specificity: The antibody binds specifically to the Tn antigen with a Kd of 140 nM.

Application Notes: The antibody binds to serine- and threonine linked O-linked N-acetylgalactosamine, a posttranslational glycosylation that is highly characteristic for Ag104A, an aggressive fibrosarcoma.

Antibody First Published in: Schietinger et al. A mutant chaperone converts a wild-type protein into a tumor-specific antigen. Science 2006; 314:304-308 [PMID:17038624](#)

Note on publication: Describes how a wild-type transmembrane protein can be transformed into a tumor-specific antigen and how this epitope can be used to generate a specific monoclonal antibody with antitumor activity.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

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.