

## Anti-Tn Antigen [237mAb] Bulk Size Ab00382-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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

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

**Clone Number:** 237mAb

**Alternative Name(s) of Target:** N-acetylgalactosamine-T/S; 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 K<sub>d</sub> 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:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**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.