

Recombinant Anti-TACA Tn Antibody (V3S-0522-YC1906)

Cat. No.: V3S-0522-YC1906

Summary

Description	This product is a monoclonal antibody derived from Mouse (<i>Mus musculus</i>), which can specifically recognize TACA Tn. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Mouse
Isotype	IgM

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

Applications

Application	FC; ELISA
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For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Application Notes

The antibody is recommended for detection of TACA Tn by FC, ELISA assays.

Target

Target

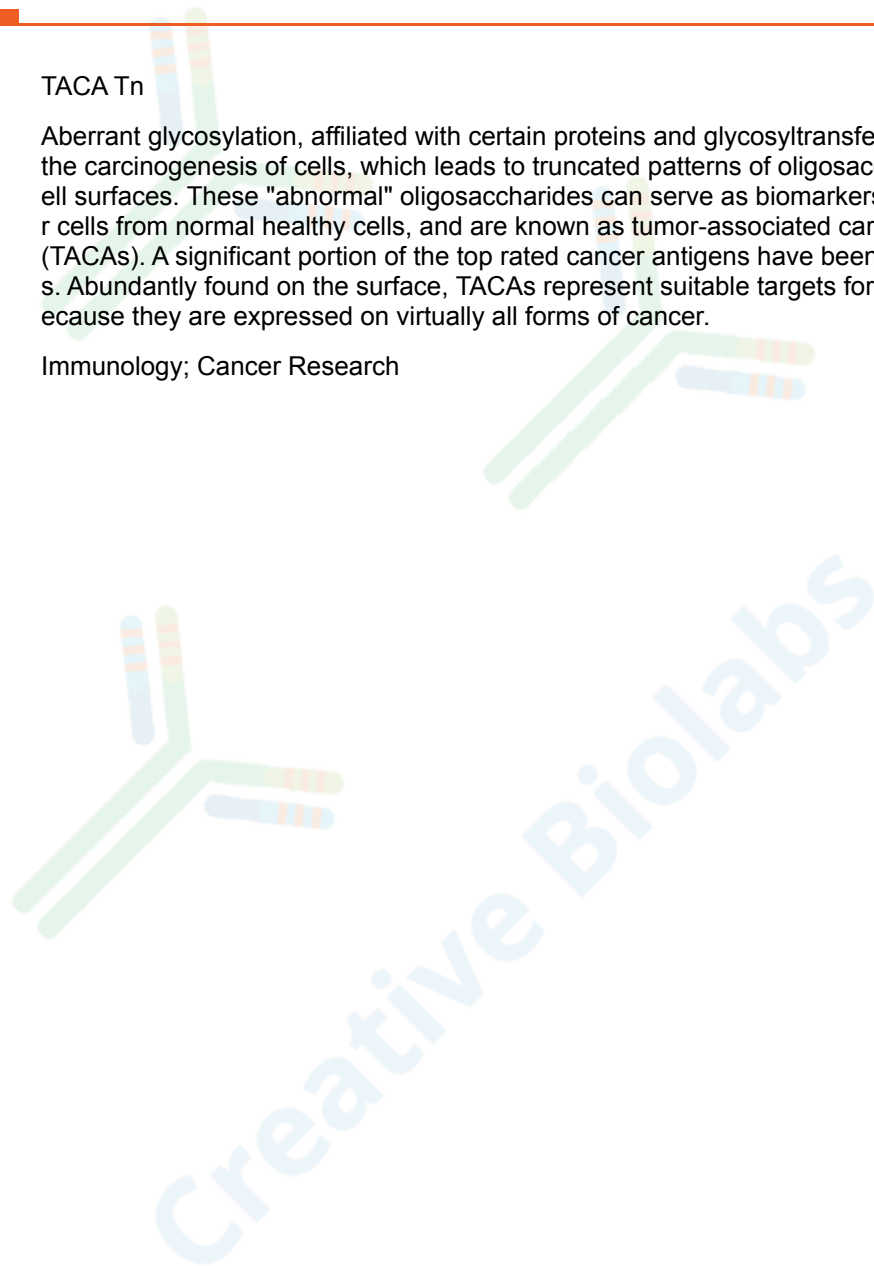
TACA Tn

Introduction

Aberrant glycosylation, affiliated with certain proteins and glycosyltransferases, is observed in the carcinogenesis of cells, which leads to truncated patterns of oligosaccharides on cancer cell surfaces. These "abnormal" oligosaccharides can serve as biomarkers to distinguish tumor cells from normal healthy cells, and are known as tumor-associated carbohydrate antigens (TACAs). A significant portion of the top rated cancer antigens have been identified as TACAs. Abundantly found on the surface, TACAs represent suitable targets for immunotherapies because they are expressed on virtually all forms of cancer.

Research Area

Immunology; Cancer Research



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