

Anti-CD28 Neutralizing Antibody (V3S-0622-YC4316)

Cat. No.: V3S-0622-YC4316

Summary

Description	This product is a human monoclonal antibody that reacts with CD28. 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	Human
Target Species	Human
Isotype	IgG
Isotype Control	C34555
Secondary Antibody	C32400; C75370; C10513; C51635; C45530

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

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

Application	IP; IF; FuncS; FC; Neut; ELISA; IHC
Application Notes	The antibody is recommended for detection of CD28 by IP, IF, FuncS, FC, Neut, ELISA, IHC assays.

Target

Target	CD28
Alternative Name	CD28; CD28 molecule; CD28 antigen (Tp44); T-cell-specific surface glycoprotein CD28; T cell specific surface glycoprotein; CD28 antigen; Tp44; MGC138290;
Gene ID	940
UniProt	P10747
Introduction	CD28 (CD28 Molecule) is a Protein Coding gene. Diseases associated with CD28 include Mycosis Fungoides and Sezary's Disease. Among its related pathways are Th2 Differentiation Pathway and RET signaling. Gene Ontology (GO) annotations related to this gene include identical protein binding and SH3/SH2 adaptor activity. An important paralog of this gene is CTLA4.
Related pathway	Th2 Differentiation Pathway; RET signaling
Research Area	Immunology

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