

Recombinant Anti-CD28 Antibody (V3S-0522-YC5196)

Cat. No.: V3S-0522-YC5196

Summary

Description	This product is a monoclonal antibody derived from Human (<i>Homo sapiens</i>), which can specifically recognize CD28 molecule. 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	IgG4
Isotype Control	C37140; C52734
Secondary Antibody	C32400; C75370; C10513; C51635; C45530; C45132

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	ELISA; FC
Application Notes	The antibody is recommended for detection of CD28 by FC assay.

Target

Target	CD28
Alternative Name	Tp44; CD28
Gene ID	940
UniProt	P10747
Introduction	CD28 molecule is essential for T-cell proliferation and survival, cytokine production, and T-hel per type-2 development.
Research Area	Immunology
Related Disease	Inflammatory diseases, Autoimmune diseases

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