

Anti-CD4 (ECD domain) Neutralizing Antibody (V3S-0622-YC4331)

Cat. No.: V3S-0622-YC4331

Summary

Description	This product is a human monoclonal antibody that reacts with CD4. 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
Immunogen	Recombinant fragment corresponding to the external domain.
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.

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

Applications

Application	FuncS; IF; Neut; ELISA; FC; IP; ICC
Application Notes	The antibody is recommended for detection of CD4 by FuncS, IF, Neut, ELISA, FC, IP, ICC assays.

Target

Target	CD4
Alternative Name	CD4; CD4 molecule; CD4 antigen (p55), T cell surface glycoprotein CD4; T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3; CD4mut;
Gene ID	920
UniProt	P01730
Introduction	CD4 (CD4 Molecule) is a Protein Coding gene. Diseases associated with CD4 include Oka's Variant and Pilonidal Sinus. Among its related pathways are G-protein signaling N-RAS regulation pathway and PEDF Induced Signaling. Gene Ontology (GO) annotations related to this gene include protein homodimerization activity and enzyme binding.
Related pathway	N-RAS regulation pathway; PEDF Induced Signaling
Research Area	Immunology; Stem Cell

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