

Anti-CD4 Neutralizing Antibody (V3S-0822-YC719)

Cat. No.: V3S-0822-YC719

Summary

Description	This product is a mouse monoclonal antibody provided by Creative Biolabs. The antibody is capable of recognizing CD4 molecule. It can be used for CD4 detection in Neutralization Assay (Neut), Flow Cytometry (FC), Immunohistochemistry (IHC), Immunohistochemistry-Frozen (IHC-Fr), Immunoprecipitation (IP), Immunocytochemistry (ICC). The antibody is expressed in mammalian cells (293F or CHO) with antibody encoding genes and purified by affinity chromatography. Each lot of this antibody is quality control tested by SDS-PAGE and SEC-HPLC analysis. For highly sensitive assays, we recommend the ultra purified form of the product, which has a lower endotoxin limit than standard antibody, less than 1 EU/mg or even 0.1 EU/mg.
Clonality	Monoclonal
Host Species	Mouse
Target Species	Cat
Immunogen	Feline CD4 (Mr 65 kDa)
Isotype	IgG1 kappa
Isotype Control	C60052
Secondary Antibody	C47504; C37557; C41360; C32672; C10001; C52760; C17603; C65740

Property

Conjugation	Unconjugated
Purity	>95%, determined by SDS-PAGE
Purification	Protein A or G purified
Storage	Store at 4°C within one or two weeks. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics.

Applications

Application	Neut; FC; IHC; IHC-Fr; IP; ICC
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For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Target

Target	CD4
Alternative Name	CD4; CD4 molecule; CD4mut; T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3
Gene ID	493775
UniProt	P79355
Introduction	In molecular biology, CD4 (cluster of differentiation 4) is a glycoprotein found on the surface of immune cells such as T helper cells, monocytes, macrophages, and dendritic cells. It was discovered in the late 1970s and was originally known as leu-3 and T4 (after the OKT4 monoclonal antibody that reacted with it) before being named CD4 in 1984. In humans, the CD4 protein is encoded by the CD4 gene.
Research Area	Immunology
Proceedings of R&D	Diseases associated with CD4 include Oka-1 Epitope Deficiency and Immunodeficiency 79. Among its related pathways are Notch-mediated HES/HEY network and B Cell Receptor Signaling Pathway (sino). Gene Ontology (GO) annotations related to this gene include protein homodimerization activity and enzyme binding.

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