

ARG41443 anti-CD3D antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD3D
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD3D
Species	Human
Immunogen	Synthetic peptide of Human CD3D.
Conjugation	Un-conjugated
Alternate Names	CD3D; CD3 Delta Subunit Of T-Cell Receptor Complex; T-Cell Surface Glycoprotein CD3 Delta Chain; CD3-DELTA; CD3DELTA; T3D; CD3d Antigen, Delta Polypeptide (TiT3 Complex); CD3d Molecule, Delta (CD3-TCR Complex); T-Cell Receptor T3 Delta Chain; CD3 Antigen, Delta Subunit; OKT3, Delta Chain; CD3d Molecule; CD3d Antigen; CD3 Delta; IMD19

Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 19 kDa	

Properties

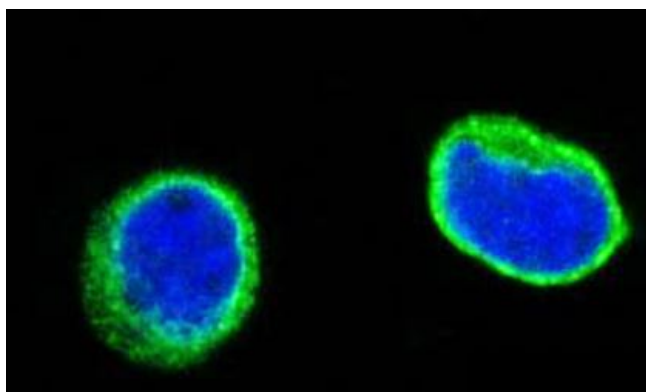
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide

Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

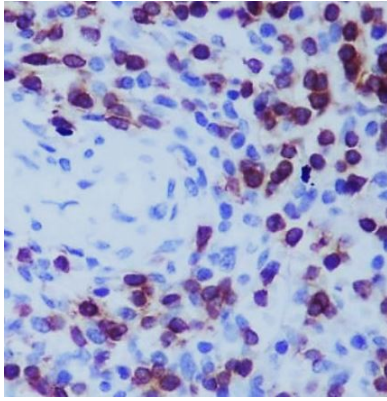
Gene Symbol	CD3D
Gene Full Name	CD3 Delta Subunit Of T-Cell Receptor Complex
Background	The protein encoded by this gene is part of the T-cell receptor/CD3 complex (TCR/CD3 complex) and is involved in T-cell development and signal transduction. The encoded membrane protein represents the delta subunit of the CD3 complex, and along with four other CD3 subunits, binds either TCR alpha/beta or TCR gamma/delta to form the TCR/CD3 complex on the surface of T-cells. Defects in this gene are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (SCIDBNK). Two transcript variants encoding different isoforms have been found for this gene. Other variants may also exist, but the full-length natures of their transcripts has yet to be defined.
Function	Part of the TCR-CD3 complex present on T-lymphocyte cell surface that plays an essential role in adaptive immune response. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. All CD3 chains contain immunoreceptor tyrosine-based activation motifs (ITAMs) in their cytoplasmic domain. Upon TCR engagement, these motifs become phosphorylated by Src family protein tyrosine kinases LCK and FYN, resulting in the activation of downstream signaling pathways.
Highlight	Related products: CD3 antibodies ; CD3 ELISA Kits ; CD3 Duos / Panels ; Anti-Rabbit IgG secondary antibodies ; Related news: New antibody panels and duos for Tumor immune microenvironment Tumor-Infiltrating Lymphocytes (TILs)
Calculated Mw	19 kDa
PTM	Disulfide bond, Glycoprotein, Phosphoprotein
Cellular Localization	Cell membrane, Membrane

Images



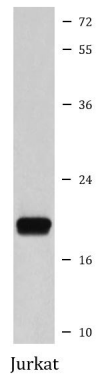
ARG41443 anti-CD3D antibody ICC/IF image

Immunofluorescence: Jurkat cells stained with ARG41443 anti-CD3D antibody.



ARG41443 anti-CD3D antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue stained with ARG41443 anti-CD3D antibody.



ARG41443 anti-CD3D antibody WB image

Western blot: Jurkat cell lysate stained with ARG41443 anti-CD3D antibody.