ARG43904
anti-CD3G antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD3G
Tested Reactivity	Hu
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD3G
Species	Human
Immunogen	Human CD3G recombinant protein
Conjugation	Un-conjugated
Alternate Names	CD3G; CD3 Gamma Subunit Of T-Cell Receptor Complex; T-Cell Surface Glycoprotein CD3 Gamma Chain; CD3-GAMMA; CD3GAMMA; CD3g Antigen, Gamma Polypeptide (TiT3 Complex); CD3g Molecule, Gamma (CD3-TCR Complex); T-Cell Receptor T3 Gamma Chain; T3G; T-Cell Antigen Receptor Complex, Gamma Subunit Of T3; CD3g Molecule, Epsilon (CD3-TCR Complex); CD3g Molecule; CD3g Antigen; IMD17

Application Instructions

Application table

Application	Dilution
ELISA	0.1-0.5 µg/ml
FACS	1-3 µg/1x10^6 cells
ICC/IF	5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

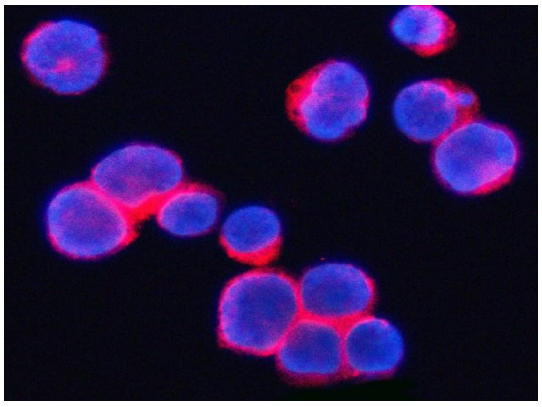
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4 and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. 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

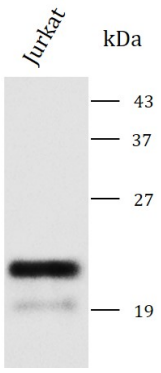
Gene Symbol	CD3G
Gene Full Name	CD3 Gamma Subunit Of T-Cell Receptor Complex
Background	The protein encoded by this gene is the CD3-gamma polypeptide, which together with CD3-epsilon, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency. [provided by RefSeq, Jul 2008]
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
Calculated Mw	21 kDa
PTM	Disulfide bond, Glycoprotein, Phosphoprotein
Cellular Localization	Membrane

Images



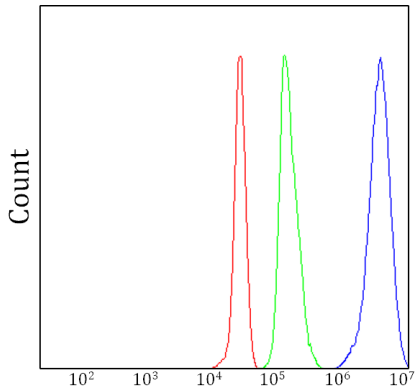
ARG43904 anti-CD3G antibody ICC/IF image

Immunofluorescence: JK cells stained with ARG43904 anti-CD3G antibody at 5 µg/ml dilution.



ARG43904 anti-CD3G antibody WB image

Western blot: Jurkat stained with ARG43904 anti-CD3G antibody at 0.5 µg/mL dilution.



ARG43904 anti-CD3G antibody FACS image

Flow Cytometry: JK cells stained with ARG43904 anti-CD3G antibody (blue) at 1 µg/1x10^6 cells dilution.