

ARG23315 anti-CD3 antibody [1F4]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1F4] recognizes CD3 CD3 antibody, clone 1F4 recognizes rat CD3 found on rat T-cells. It stains rat thymus tissues strongly in the medulla and weakly in the cortex and induces the proliferation of T-cells in the presence of PMA.
Tested Reactivity	Rat
Tested Application	FACS, IHC-Fr, IHC-P, IP
Specificity	This antibody is specific Cd3D and Cd3G
Host	Mouse
Clonality	Monoclonal
Clone	1F4
Isotype	IgM
Target Name	CD3
Species	Rat
Immunogen	F344 Rat T cells stimulated with PMA (TPA) and calcium ionophore.
Conjugation	Un-conjugated

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:25
	IHC-Fr	1:10 - 1:25
	IHC-P	1:10
	IP	Assay-dependent

Application Note
IHC-P: This clone is suitable for use on paraffin-embedded material using target unmasking fluid.
FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

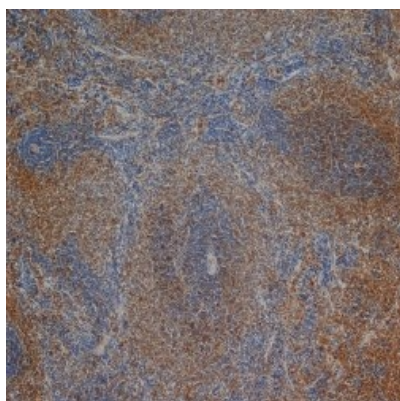
Form	Liquid
Purification	Purified by ammonium sulfate precipitation.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml

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	CD3D, CD3G
Gene Full Name	CD3 Delta Subunit Of T-Cell Receptor Complex, CD3 Gamma Subunit Of T-Cell Receptor Complex
Background	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -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. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women.
Function	The CD3 complex mediates signal transduction. [UniProt]
Highlight	<p>Related products: CD3 antibodies; CD3 ELISA Kits; CD3 Duos / Panels; CD3 recombinant proteins; Anti-Mouse IgM secondary antibodies;</p> <p>Related news: New antibody panels and duos for Tumor immune microenvironment Tumor-Infiltrating Lymphocytes (TILs) Exploring Antiviral Immune Response</p>
Calculated Mw	20 kDa

Images



ARG23315 anti-CD3 antibody [1F4] IHC-P image

Immunohistochemistry: Paraffin-embedded Rat spleen stained with ARG23315 anti-CD3 antibody [1F4].