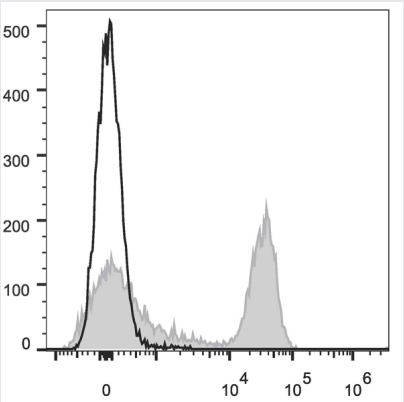
CD3 Antibody – Mouse

PRODUCT OVERVIEW

Product Name	CD3, Antibody
Full Product Name	Anti-Rat CD3 Monoclonal Antibody (APC Conjugated)
Product Gene Name	anti-CD3 antibody
Product Synonym Names	Rat CD3; T-cell surface glycoprotein CD3 delta, gamma, epsilon, and zeta chains; CD3 Complex; T3; CD3
Isotype	IgG3, kappa
Clone Number	G4.18
Host	Mouse
Species Reactivity	Rat
Form/Format	PBS with 0.05% Proclin300, 1% BSA
Preparation and Storage	Store at 2-8 degree C and protected from prolonged exposure to light. Do not freeze.
Matching Pairs	Antibody: CD3 (MBS2559613) Isotype Control: IgG3,kappa Clone #A112-3 (MBS2568200)
3D Structure	ModBase 3D Structure for P19377
Conjugation	APC
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD3 antibody	Flow Cytometry (FC/FACS)
Application Notes for anti-CD3 antibody	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5 muL of antibody per test (million cells in 100 ul staining volume or per 100 ul of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
Related Product Information for anti-CD3 antibody	CD3 is a complex composed of delta, gamma, epsilon, and zeta chains. They are 20-25 kD members of the immunoglobulin superfamily and associated with the T cell receptor (TCR). CD3 is expressed on thymocytes, peripheral T cells, some NK-T cells, and dendritic epidermal T cells. CD3 is involved in antigen recognition, signal transduction, and T cell activation.
Other Notes	Small volumes of anti-CD3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD3 purchase	MBS2559613 is an antibody targeting CD3. Also known as Anti-Rat CD3 Monoclonal Antibody (APC Conjugated). Reactive in Rat. Host: Mouse.



Flow Cytometry (FC/FACS) of anti-CD3 antibody
Rat splenocytes are stained with Anti-Rat CD3 Monoclonal Antibody(APC Conjugated)(filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD3. It may not necessarily be applicable to this product.

NCBI GI #	7709998
NCBI GeneID	25710
NCBI Accession #	NP_037301.1
UniProt Primary Accession #	P19377
UniProt Secondary Accession #	Q64159; D4A5M2
UniProt Related Accession #	P19377
GenBank Nucleotide #	NP_037301.1
NCBI Official Full Name	T-cell surface glycoprotein CD3 delta chain
NCBI Official Synonym Full Names	CD3d molecule
NCBI Official Symbol	Cd3d
UniProt Protein Name	T-cell surface glycoprotein CD3 delta chain
UniProt Synonym Protein Names	T-cell receptor T3 delta chain
Protein Family	CD302 antigen
UniProt Gene Name	Cd3d
UniProt Synonym Gene Names	T3d
UniProt Entry Name	CD3D_RAT
NCBI Protein Information	T-cell surface glycoprotein CD3 delta chain
NCBI Summary for CD3	putative component of the CD3 T-cell receptor [RGD, Feb 2006]
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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