

# CD3 Monoclonal Antibody (17A2), APC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse
Host/Isotope	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	17A2
Conjugate	APC
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10597589

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.5 µg/test	44 Publications
Immunocytochemistry (ICC)	-		1 Publication
Immunofluorescence (IF)	-		1 Publication

## Product Specific Information

**Description:** The 17A2 monoclonal antibody reacts with the mouse CD3 complex. CD3 subunits gamma, delta and epsilon are required for proper assembly, trafficking and surface expression of the TCR complex. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells. Binding of 17A2 to CD3 initiates the intracellular biochemical pathway resulting in cellular activation and proliferation.

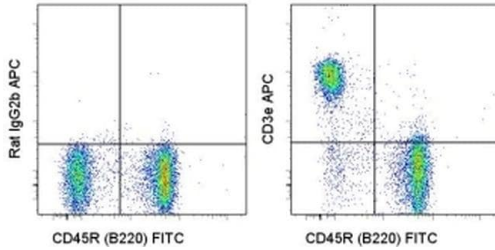
**Applications Reported:** This 17A2 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This 17A2 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

## Product Images For CD3 Monoclonal Antibody (17A2), APC, eBioscience™



### CD3 Antibody (17-0032-82) in Flow

Staining of C57Bl/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (Product # 11-0452-82) and 0.25 µg of Rat IgG2b Isotype Control APC (Product # 17-4031-82) (left) or 0.25 µg of Anti-Mouse CD3 APC (right). Total viable cells were used for analysis.

[View more figures on thermofisher.com](#)

## 46 References

### Flow Cytometry (44)

mSphere

#### Microbiota Reconstitution Does Not Cause Bone Loss in Germ-Free Mice.

"Published figure using CD3 monoclonal antibody (Product # 17-0032-82) in Flow Cytometry"

Authors: Quach D, Collins F, Parameswaran N, McCabe L, Britton RA

**Species**

Not Applicable

**Dilution**

Not Cited

**Year**

2019

mAbs

#### Discovery and characterization of a novel humanized anti-IL-15 antibody and its relevance for the treatment of refractory celiac disease and eosinophilic esophagitis.

"17-0032 was used in Flow cytometry/Cell sorting to identify and characterise a humanised antibody against IL-15."

Authors: Vicari AP, Schoepfer AM, Meresse B, Goffin L, Léger O, Josserand S, Guégan N, Yousefi S, Straumann A, Cerf-Bensussan N, Simon HU, Chvatchko Y

**Species**

Mouse

**Dilution**

Not Cited

**Year**

2018

[View more Flow references on thermofisher.com](#)

### Immunocytochemistry (1)

Cell

#### Regulatory Innate Lymphoid Cells Control Innate Intestinal Inflammation.

Authors: Wang S, Xia P, Chen Y, Qu Y, Xiong Z, Ye B, Du Y, Tian Y, Yin Z, Xu Z, Fan Z

**Species**

Mouse

**Dilution**

Not Cited

**Year**

2017

### Immunofluorescence (1)

Cell

#### Regulatory Innate Lymphoid Cells Control Innate Intestinal Inflammation.

Authors: Wang S, Xia P, Chen Y, Qu Y, Xiong Z, Ye B, Du Y, Tian Y, Yin Z, Xu Z, Fan Z

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2017

---

## More applications with references on [thermofisher.com](http://thermofisher.com)

---

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.