abcam

ab34267

Dual color: FITC + PE Anti-CD4 + CD8 antibody [YKIX 302.9 + YCATE 55.9]

Anti-CD4 + CD8 antibody [YKIX 302.9 + YCATE 55.9] conjugated to FITC - suitable for flow cytometry, and reacts with dogsamples.Clone[YKIX 302.9 + YCATE 55.9] is a rat multiclonal antibody.

Design your panel with our interactive flow cytometry panel builder. Click here.

Key facts

Host species	Rat
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 5% Sucrose, 1% BSA
Form	Liquid
Clonality	Multiclonal
Immunogen	Cell preparation containing CD4 protein. The exact immunogen used to generate this antibody is proprietary information. Database link P33705
Clone number	YKIX 302.9 + YCATE 55.9
Purification technique	Affinity purification Protein G

Reactivity data

Flow Cyt

Tested

Species	Dog
Dilution info	10 µL for 10^6 Cells

Notes	-

Target data

See full target information CD4

Function	Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class II molecule:peptide complex. The antigens presented by class II peptides are derived from extracellular proteins while class I peptides are derived from cytosolic proteins. Interacts simultaneously with the T-cell receptor (TCR) and the MHC class II presented by antigen presenting cells (APCs). In turn, recruits the Src kinase LCK to the vicinity of the TCR-CD3 complex. LCK then initiates different intracellular signaling pathways by phosphorylating various substrates ultimately leading to lymphokine production, motility, adhesion and activation of T-helper cells. In other cells such as macrophages or NK cells, plays a role in differentiation/activation, cytokine expression and cell migration in a TCR/LCK-independent pathway. Participates in the development of T-helper cells in the thymus and triggers the differentiation of monocytes into functional mature macrophages.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

This cocktail consists of: CD4 = Clone:YKIX 302.9, Isotype:IgG1, Label:FITC CD8 = Clone:YCATE 55.9, Isotype:IgG2a, Label:PEab34267 should be stored undiluted. It is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

What is an oligoclonal antibody?

This oligoclonal antibody is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

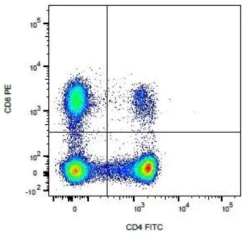
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

1 product image



Flow Cytometry - Dual color: FITC + PE Anti-CD4 + CD8 antibody [YKIX 302.9 + YCATE 55.9] (ab34267)

CD4 + CD8 Flow Cytometry staining using rat Anti-CD4 + CD8 antibody

Flow cytometry analysis of red cell lysed canine blood gated on mononuclear cells labeling CD4 + CD8 with ab34267.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.