

Product datasheet

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

[1 Image](#)

Overview

Product name	Dual color: FITC + PE Anti-CD4 + CD8 antibody [YKIX 302.9 + YCATE 55.9]
Description	Dual color: FITC + PE Rat monoclonal [YKIX 302.9 + YCATE 55.9] to CD4 + CD8
Host species	Rat
Conjugation	Dual color: FITC + PE
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Dog
Immunogen	This product was produced with the following immunogens: Tissue, cells or virus. Concanavallin A activated T cell blasts. (Clone YKIX302.9) Fusion protein corresponding to Dog CD4 + CD8. CD8 alpha chimaeric human IgG1 Fc fusion protein. (Clone YCATE55.9) Database link: P33705

General 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.

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Please note that this antibody is an oligoclonal antibody. It 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.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze. Please see notes section.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 1% BSA, PBS, 5% Sucrose
Purity	Protein G purified
Clonality	Monoclonal
Clone number	YKIX 302.9 + YCATE 55.9

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab34267 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

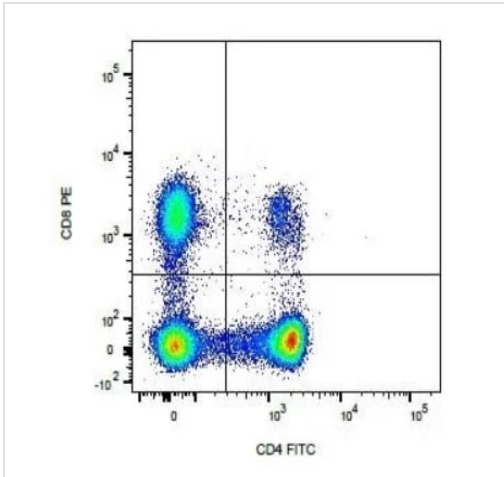
Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10 ⁶ cells.

Target

Relevance CD4 is a single chain transmembraneous glycoprotein (59 kDa) which belongs to the immunoglobulin superfamily. CD4 is present on a subset of T lymphocytes ("helper/inducer" T cells) and is also expressed at a lower level on monocytes, tissue macrophages and granulocytes. The antigen is involved in binding to MHC class II molecules. The intracellular domain of the antigen is associated with p56lck protein tyrosine kinase. The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell to cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T cell receptor on the T lymphocyte recognize antigen displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains.

Cellular localization Membrane; single pass type I membrane protein.

Images



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

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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