

Product datasheet

Anti-CD3 antibody [CT-3] (FITC) ab24895

1 Image

Overview

| | |
|----------------------------|---|
| Product name | Anti-CD3 antibody [CT-3] (FITC) |
| Description | Mouse monoclonal [CT-3] to CD3 (FITC) |
| Host species | Mouse |
| Conjugation | FITC. Ex: 493nm, Em: 528nm |
| Specificity | ab24895 recognises CD3. |
| Tested applications | Suitable for: Functional Studies, Flow Cyt, IHC-Fr, IP |
| Species reactivity | Reacts with: Chicken |
| Immunogen | The details of the immunogen for this antibody are not available. |
| General notes | Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by July 2018 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. |
| Storage buffer | Preservative: 0.1% Sodium Azide Constituents: PBS |
| Purity | IgG fraction |
| Clonality | Monoclonal |
| Clone number | CT-3 |
| Isotype | IgG1 |
| Light chain type | kappa |

Applications

Our [Abpromise guarantee](#) covers the use of **ab24895** 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 |
|--------------------|-----------|---|
| Functional Studies | | Use at an assay dependent concentration. Immunosuppression of T cells. |
| Flow Cyt | | Use 1µg for 10 ⁶ cells. ab106163 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |
| IHC-Fr | | Use at an assay dependent concentration. |
| IP | | Use at an assay dependent concentration. |

Target

Function

The CD3 complex mediates signal transduction.

Involvement in disease

Defects in CD3D are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T(-)/B(+)/NK(+)) SCID [MIM:608971]. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development.

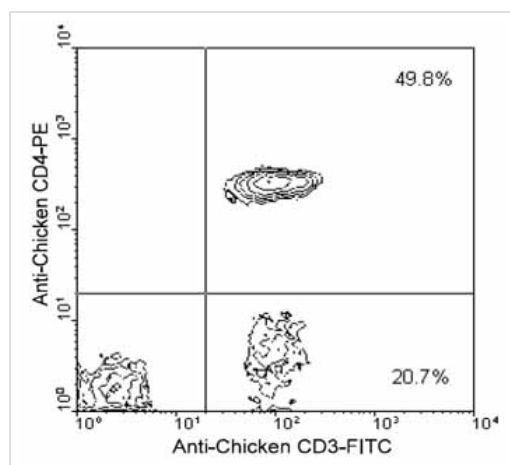
Sequence similarities

Contains 1 ITAM domain.

Cellular localization

Membrane.

Images



Flow Cytometry - CD3 antibody [CT-3] (FITC)
(ab24895)

Chicken peripheral blood mononuclear cells were double stained with a PE-conjugated mouse anti-chicken antibody ([ab25420](#) at 0.1 µg/10⁶ cells) and ab24895. Small lymphocytes were then gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

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