

## Datasheet for 200-326-N12

**CD3 Allophycocyanin Antibody****Overview**

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| <b>Description:</b>  | Anti-CD3 (MOUSE) Allophycocyanin Conjugated Monoclonal Antibody - 200-326-N12 |
| <b>Item No.:</b>     | 200-326-N12                                                                   |
| <b>Size:</b>         | 500 µL                                                                        |
| <b>Applications:</b> | FC                                                                            |
| <b>Reactivity:</b>   | Human                                                                         |
| <b>Host Species:</b> | Mouse                                                                         |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>   | CD3ε is a 20 kD chain of the CD3/T-cell receptor (TCR) complex which is composed of two CD3ε, one CD3γ, one CD3δ, one CD3ζ (CD247), and a T-cell receptor (α/β or γ/δ) heterodimer. It is found on all mature T lymphocytes, NK-T cells, and some thymocytes. CD3, also known as T3, is a member of the immunoglobulin superfamily that plays a role in antigen recognition, signal transduction, and T cell activation. |
| <b>Synonyms:</b>     | T-cell surface glycoprotein CD3 epsilon chain, T-cell surface antigen T3/Leu-4 epsilon chain, CD3e                                                                                                                                                                                                                                                                                                                       |
| <b>Host Species:</b> | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Conjugate:</b>    | Allophycocyanine (APC)                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clonality:</b>    | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clone ID:</b>     | HIT3a                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Format:</b>       | IgG2a                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>F/P Ratio:</b>    | 1-2                                                                                                                                                                                                                                                                                                                                                                                                                      |

**Target Details**

|                    |                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------|
| <b>Gene Name:</b>  | CD3E                                                                                    |
| <b>Reactivity:</b> | Human                                                                                   |
| <b>Immunogen:</b>  | Anti-CD3 Antibody (Monoclonal) was produced by repeated immunizations with CD3 antigen. |

**Purity/Specificity:** Allophycocyanin conjugated CD3 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD3. Reactivity is observed against human CD3. Cross reactivity with CD3 from other sources has not been tested. Anti-CD3 is conjugated with APC under optimal conditions and the solution is free of unconjugated APC.

**Relevant Links:**

- [UniProtKB - P07766](#)
- [NCBI - NP\\_000724.1](#)
- [GeneID - 916](#)

## Application Details

|                             |                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | FC                                                                                                                                                                               |
| <b>Application Note:</b>    | Anti-CD3 is tested in Flow Cytometry and useful for Immunoprecipitation, Immunohistochemistry. Researchers should determine optimal titers for applications that are not stated. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                  |
| <b>FC:</b>                  | 5 ul/1x10 <sup>6</sup> cells or 100µL of whole blood                                                                                                                             |
| <b>IHC:</b>                 | User Optimized                                                                                                                                                                   |
| <b>IP:</b>                  | User Optimized                                                                                                                                                                   |

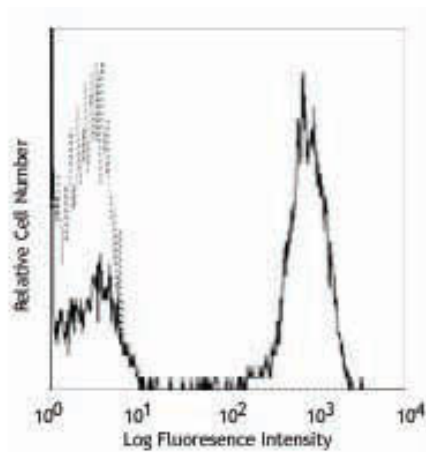
## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered)                                  |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.09% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>     | 0.2% BSA (w/v)                                             |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                   |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis. Store reagent in the dark. DO NOT FREEZE. |
| <b>Expiration:</b>         | Expiration date is six (6) months from date of receipt.                                                                                                                                                                                                   |

## Images



### Flow Cytometry

Flow Cytometry of Mouse anti-CD3 Allophycocyanin Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: none. Antibody: (Dotted Line) APC Mouse IgG2a isotype control; (Solid Line) Allophycocyanin Anti-CD3 mouse antibody using 5  $\mu$ L.

## Disclaimer

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