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Datasheet for 200-302-N25

# CD25 Fluorescein Antibody

## Overview

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| **Description:** | Anti-CD25 (MOUSE) Fluorescein Conjugated Monoclonal Antibody - 200-302-N25 |
| **Item No.:** | 200-302-N25 |
| **Size:** | 500 µL |
| **Applications:** | FC |
| **Reactivity:** | Human |
| **Host Species:** | Mouse |

## Product Details

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| **Background:** | CD25 is a 55 kD type I transmembrane glycoprotein also known as the low affinity IL-2 receptor α chain or Tac. It is expressed on progenitor lymphocytes, activated T and B cells, and activated monocytes/macrophages. CD25 is also expressed on a subset of non-stimulated CD4+ T cells termed T regulatory cells. CD25 associates with the IL-2 receptor β (CD122) and common γ chains (CD132) to form the high affinity IL-2R complex. |
| **Synonyms:** | Interleukin-2 receptor subunit alpha, IL-2 receptor subunit alpha, IL-2-RA, IL-2R subunit alpha, IL2-RA, TAC antigen, p55 |
| **Host Species:** | Mouse |
| **Conjugate:** | Fluorescein (FITC) |
| **Clonality:** | Monoclonal |
| **Clone ID:** | BC96 |
| **Format:** | IgG1 |
| **F/P Ratio:** | 4-6 |

## Target Details

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| **Gene Name:** | IL2RA |
| **Reactivity:** | Human |
| **Immunogen:** | Anti-CD25 Antibody (Monoclonal) was produced by repeated immunizations with CD25 antigen. |

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| **Purity/Specificity:** | Fluorescein conjugated CD25 Monoclonal Antibody was purified from tissue culture supernatant via affinity chromatography and is directed against human CD25. Reactivity is observed against human CD25, Baboon, Chimpanzee, Cynomolgus, Rhesus, and Pigtailed Macaque. Cross reactivity with CD25 from other sources has not been tested. Anti-CD25 is conjugated with FITC under optimal conditions and the solution is free of unconjugated FITC. |
| **Relevant Links:** | • UniProtKB - P01589<br>• NCBI - NP_000408.1<br>• GeneID - 3559 |

## Application Details

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| **Tested Applications:** | FC |
| **Application Note:** | Anti-CD25 is tested for Flow Cytometry and is useful for Immunofluorescence. Researchers should determine optimal titers for applications that are not stated. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **FC:** | 5 ul/1x10e6 cells or 100µL of whole blood |
| **IHC:** | User Optimized |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 50 µg/ml Sufficient to run approximately 100 tests |
| **Buffer:** | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.09% (w/v) Sodium Azide |
| **Stabilizer:** | 0.2% BSA (w/v) |

## Shipping & Handling

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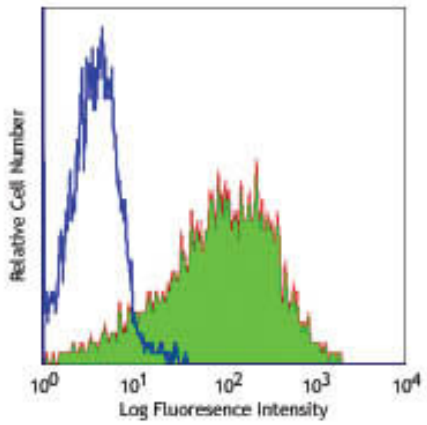
| **Shipping Condition:** | Wet Ice |
| **Storage Condition:** | Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. DO NOT FREEZE. This product is light sensitive. |
| **Expiration:** | Expiration date is six (6) months from date of receipt. |

## Images




**Flow Cytometry**
Flow Cytometry of Mouse anti-CD25 Fluorescein Conjugated Monoclonal Antibody. Cells: human peripheral blood lymphocytes. Stimulation: PHA (3 day). Antibody: (Dotted Line) FITC Mouse IgG1 kappa isotype control; (Solid Line) Fluorescein Anti-CD25 mouse antibody using 5 ul.

## Disclaimer