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Datasheet for ABIN1112221 anti-CD6 antibody (FITC)

1 Image

Overview

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|--------------|--|
| Quantity: | 100 tests |
| Target: | CD6 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This CD6 antibody is conjugated to FITC |
| Application: | Flow Cytometry (FACS), Immunofluorescence (IF) |

Product Details

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| Clone: | MAE-1C10 |
| Isotype: | IgG1 |
| Characteristics: | Monoclonal Mouse Anti-Human CD6 FITC is recommended for use in flow cytometry for identification of human mature T cells and a sub-population of B cells in peripheral blood. |

Target Details

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| Target: | CD6 |
| Alternative Name: | CD6 (CD6 Products) |
| Background: | The antibody reacts with a 120 kDa single chain membrane glycoprotein specific for the CD6 antigen. The antigen is found on >80% normal mature T cells and a sub-population of B cells in peripheral blood. The antigen also exhibits weak expression on cortical thymocytes and the majority of chronic B lymphocytic leukaemias |

Application Details

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| Application Notes: | It is recommended for use in flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 20 µl/10 ⁶ cells. |
| Comment: | Fluorescein isothiocyanate (Molecular Probes). |
| Sample Collection: | 1. Transfer 100 µl of anticoagulated (EDTA) blood to a 12 x 75 mm polystyrene test tube (10 ⁶ cells). 2. Add 20 µl of CD6 FITC and mix gently with a vortex mixer. The 20 µl is a guideline only, the optimal volume should be determined by the individual laboratory. 3. The recommended negative control is a non-reactive FITC-conjugated antibody of the same isotype. 4. Incubate in the dark at room temperature at 4°C for 30 minutes or at room temperature (20-25 °C) for 15 minutes. 5. Add 1,5 ml of Lysing Solution to each sample and mix gently with a vortex mixer. Incubate for 10 minutes at room temperature in the dark. 6. Centrifuge at 1000 x g for 5 minutes. Gently aspirate the supernatant and discard it leaving approximately 50 µl of fluid. 7. Add 2 ml 0.01 mol/l PBS (It betters that it containing 2% bovine serum albumin) and resuspend the cells by using a vortex mixer. 8. Centrifuge at 1000 x g for 5 minutes. Gently aspirate the supernatant and discard it leaving approximately 50 µl of fluid. 9. Resuspend pellet in an appropriate fluid for flow cytometry, e.g. 0.3 ml PBS. The PBS should contain 1% paraformaldehyde (fixative) if samples are not analysed the same day. 10. Analyse on a flow cytometer or store at 2-8 °C in the dark until analysis. Samples can be run up to 24 hours after lysis. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | The conjugate is provided in liquid form in buffer containing 1% bovine serum albumin (BSA) and 0,09% Sodium azide, pH 7.2. |
| Preservative: | Sodium azide |
| Precaution of Use: | 1. The device is not intended for clinical use including diagnosis, prognosis, and monitoring of a disease state, and it must not be used in conjunction with patient records or treatment. 2. This product contains Sodium azide (NaN ₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, Sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing. 3. As with any product derived from biological sources, proper handling procedures should be used. |

Handling

Storage: 4 °C

Images

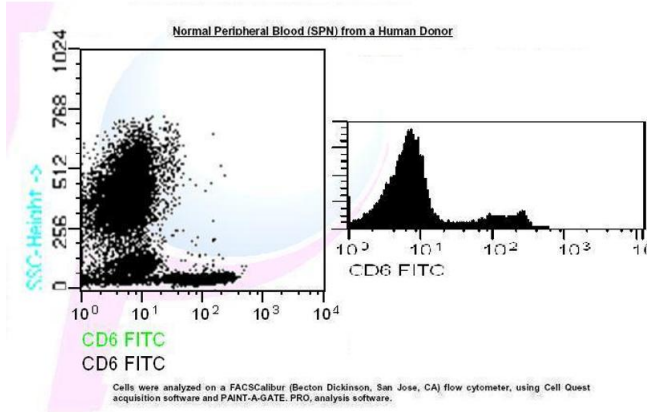


Image 1.