

Anti-Human CD18 DyLight® 550 conjugated ITGB2 Antibody(monoclonal, 1A3/2A10)

Catalog Number: M00458-DyI550

About ITGB2

ITGB2 (INTEGRIN, BETA-2), also known as CD18, is a protein that in humans is encoded by the ITGB2 gene. ITGB2 is an integrin protein that belongs to the class of cell membrane glycoproteins. The beta-2 integrin chain gene is designated ITGB2 and the leukocyte antigen has been designated CD18. The ITGB2 gene is mapped to 21q22.3. The expression of CD18 is increased in lymphoblastoid cells from persons with Down syndrome, consistent with the location of the gene on chromosome 21. In humans lack of ITGB2 causes Leukocyte Adhesion Deficiency, a disease defined by a lack of leukocyte extravasation from blood into tissues. Although ITGB2 is expressed on the cell surface at normal levels and is capable of function following extracellular stimulation, it could not be activated via the 'inside-out' signaling pathways.

Overview

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|----------------------|---|
| Product Name | Anti-Human CD18 DyLight® 550 conjugated ITGB2 Antibody(monoclonal, 1A3/2A10) |
| Reactive Species | Human |
| Description | Boster Bio Anti-Human CD18 DyLight® 550 conjugated ITGB2 Antibody (monoclonal, 1A3/2A10) catalog # M00458-DyI550. Tested in Flow Cytometry applications. This antibody reacts with Human. |
| Conjugate | DyLight®550 |
| Application | Flow Cytometry |
| Clonality | Monoclonal 1A3/2A10 |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Mouse |
| Uniprot ID | P05107 |

Technical Details

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|----------------------------|---|
| Immunogen | E.coli-derived human CD18 recombinant protein (Position: Q404-S769). Human CD18 shares 76% amino acid (aa) sequence identity with mouse CD18. |
| Predicted Reactive Species | Human |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Mouse IgG1 |
| Form | Liquid |

| | |
|---------------------|---|
| Concentration | 0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. |
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry, 1-3ug/1x10⁶ cells</p> |

Anti-Human CD18 DyLight® 550 conjugated ITGB2 Antibody(monoclonal, 1A3/2A10) (M00458-Dyl550) Images



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