

## Basic Information

Product Name	Anti-CD18/ITGB2 DyLight 550 Conjugated Antibody
Gene Name	ITGB2
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	FCM
Contents	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Immunogen	E.coli-derived human CD18 recombinant protein (Position: Q404-S769). Human CD18 shares 76% amino acid (aa) sequence identity with mouse CD18.
Fluorophores	Amax=562nm; Emax=576nm
Conjugate	Dylight 550
Concentration	500ug/ml
Purification	protein G purified.
Dilution Ratios	Flow cytometry (FCM):1-3 µg/1x10 <sup>6</sup> cells

## Storage

At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

## Background Information

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.

## Selected Validation Data

Product datasheet

**Anti-CD18/ITGB2 DyLight 550  
Conjugated Antibody**

**Catalog Number: M00458-DyI550**



antibody and ELISA experts

**BOSTER BIOLOGICAL TECHNOLOGY**

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