BOSTER BIOLOGICAL TECHNOLOGY Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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antibody and FLISA

Basic Information	
Product Name	Anti-CD18/ITGB2 Antibody
Gene Name	ITGB2
Source	Rabbit
Clonality	Polyclonal
lsotype	lgG
Species Reactivity	human
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CD18, different from the related mouse sequence by five amino acids.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	90-100 kDa
Dilution Ratios	Western blot (WB):1:500-2000Immunohistochemistry (IHC):1:50-400(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

The beta-2 integrin chain gene is designated ITGB2 and the leukocyte antigen has been designated CD18. The 3 alpha integrin chains associated individually with the beta-2 chain as a heterodimer have gene designations of ITGAL, ITGAM, and ITGAX, and leukocyte antigen designations of CD11A, CD11B, and CD11C, respectively. The expression of CD18 was increased in lymphoblastoid cells from persons with Down syndrome, consistent with the location of the gene on chromosome 21. The ITGB2 gene spans approximately 40 kb and contains 16 exons and all exon/intron boundaries conform to the GT/AG splicing consensus. Furthermore, ITGB2 was constitutively clustered. Although it was expressed on the cell surface at normal levels and was capable of function following extracellular stimulation, it could not be activated via the "inside-out" signaling pathways.

Product datasheet Anti-CD18/ITGB2 Antibody Catalog Number: BA0959

antibody and ELISA experts BOSTER BIOLOGICAL TECHNOLOGY Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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Reference

Anti-CD18/ITGB2 Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of anti- ITGB2 antibody (BA0959). The sample well of each lane was loaded with 30ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates,

Lane 2: human Hela whole cell lysates.

Use rabbit anti- ITGB2 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog#EK1002). A specific band was detected for ITGB2 at approximately 90-100KD. The expected band size for ITGB2 is at 85KD.



IHC analysis of CD18/ITGB2 using anti-CD18/ITGB2 antibody (BA0959). CD18/ITGB2 was detected in a paraffin-embedded section of human intestinal cancer tissue. The tissue section was incubated with rabbit anti-CD18/ITGB2 Antibody (BA0959) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.