



## Recombinant Human ITGB2 Protein-His-MBP tag

Cat. No.: CTP-200

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

**Product Overview** This product is a recombinant human ITGB2 protein with two N-terminal Tags (His-tag and MBP-tag) expressed in the E. Coli. It is available for WB, ELISA, IP.

### SPECIFICATIONS

<b>Expressed Host</b>	E. Coli
<b>Endotoxin</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Purity</b>	>95% as determined by SDS-PAGE
<b>Specie Reactivity</b>	Human
<b>Target</b>	CD18
<b>Type</b>	Recombinant Protein
<b>Formulation</b>	PBS, pH 7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin 300
<b>Sequence</b>	DQSRDRSLCH GKGFLGCGIC RCDTGYIGKN CECQTQGRSS QELEGSCRKD NNSIICSGLG DCVCGQCLCH TSDVPGKLIY GQYCECDTIN CERYNGQVCG GPGRGLCFEG KCRCHPGFEG SACQCERTTE GCLNPRRVEC SGRGRRCRCNV CECHSGYQLP LCQECPGCPS PCGKYIS
<b>Applications</b>	WB; ELISA; IP
<b>Product Form</b>	Lyophilized
<b>Storage</b>	Store at 2 to 8°C after reconstitution for short term (1-2 weeks). For long term storage, aliquot and store at -20 or -80°C. Avoid repeated freezing and thawing cycles.

## PROTEIN INFORMATION

### Introduction

Integrin ITGAL/ITGB2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrin ITGAL/ITGB2 is also a receptor for the secreted form of ubiquitin-like protein ISG15; the interaction is mediated by ITGAL. Integrins ITGAM/ITGB2 and ITGAX/ITGB2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin ITGAX/ITGB2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin ITGAM/ITGB2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin ITGAM/ITGB2 is also a receptor for factor X. Integrin ITGAD/ITGB2 is a receptor for ICAM3 and VCAM1. Contributes to natural killer cell cytotoxicity. Involved in leukocyte adhesion and transmigration of leukocytes including T-cells and neutrophils. Triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation. Integrin ITGAL/ITGB2 in association with ICAM3, contributes to apoptotic neutrophil phagocytosis by macrophages. In association with alpha subunit ITGAM/CD11b, required for CD177-PRTN3-mediated activation of TNF primed neutrophils.

### Alternative Names

Integrin Subunit Beta 2; Integrin, Beta 2 (Complement Component 3 Receptor 3 And 4 Subunit); Complement Component 3 Receptor 3 And 4 Subunit; Integrin Beta-2; CD18; MF17; Cell Surface Adhesion Glycoprotein (LFA-1/CR3/P150,959 Beta Subunit Precursor); Cell Surface Adhesion Glycoproteins LFA-1/CR3/P150,95 Subunit Beta; Leukocyte-Associated Antigens CD18/11A, CD18/11B, CD18/11C; Leukocyte Cell Adhesion Molecule CD18; Complement Receptor C3 Beta-Subunit; Complement Receptor C3 Subunit Beta; Integrin Beta Chain, Beta 2;CD18 Antigen; LCAMB; LFA-1; MAC-1; MF17; LAD

### Gene ID

[3689](#)

### UniProt ID

[P05107](#)