

## Rabbit polyclonal antibody to human Integrin beta-2 (24-58): Affinity purified

<b>Catalogue No.:</b>	R-1011-100
<b>Description:</b>	Integrins are cell-surface proteins with important roles in cell adhesion, migration and cell surface mediated signalling. The integrin family contains at least 18 alpha and 8 beta subunits that form alpha/beta heterodimers. The integrin beta-2 subunit is also known as CD18 or ITGB2. Integrin beta-2 associates with the alpha-L subunit to form the LFA1 integrin which is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. It combines with the alpha-M subunit to form the Mac1 integrin. Integrin beta-2 also associates with the alpha-X and alpha-D subunits.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (ECTKFKVSSCRECIESGPGCTWCQKLNFTGPGDPD) corresponding to a region (24-58) from human integrin beta-2. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	ITGB2; CD18; MF17; ITB2;
<b>Accession:</b>	P05107 ITB2_HUMAN
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0-2.0 ug/mL is recommended for WB. Human integrin beta-2 has a predicted length of 769 amino acids and a MW of 85 kDa. A concentration of 1.0-2.0 ug/mL is recommended to detect Integrin beta-2 in formalin fixed and paraffin embedded tissues. Antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human; rat;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase

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