

**bs-1014R****[ Primary Antibody ]****Itgam | Cd11b Rabbit pAb****BioSS**  
**ANTIBODIES**

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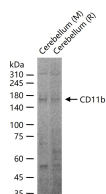
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**— DATASHEET —**

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| <b>Host:</b> Rabbit<br><b>Clonality:</b> Polyclonal<br><b>Target:</b> Itgam   Cd11b<br><b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse CD11b: 77-180/1152.<br><b>Purification:</b> affinity purified by Protein A<br><b>Concentration:</b> 1mg/ml<br><b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.<br><b>Background:</b> This gene encodes the integrin alpha M chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009] | <b>Isotype:</b> IgG<br><b>SWISS:</b> P05555 | <b>Applications:</b> WB (1:500-2000)<br><b>Reactivity:</b> Human, Mouse, Rat<br><br><b>Predicted MW.:</b> 125 kDa<br><b>Observed MW.:</b> 175 kDa<br><b>Subcellular Location:</b> Cell membrane |
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**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with CD11b polyclonal antibody, unconjugated (bs-1014R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

**— SELECTED CITATIONS —**

- **[IF=41.577]** Yamaguchi T et al. "Interspecies organogenesis generates autologous functional islets." Nature. 2017 Feb 9;542(7640):191-196. IF ;Mouse&Rat. 28117444
- **[IF=30.849]** Yao Li. et al. Rapid surface display of mRNA antigens by bacteria-derived outer membrane vesicles for a personalized tumor vaccine. 2022 Mar 22 IF ;Mouse. 35315546
- **[IF=15.304]** Xuan Li. et al. ROS-responsive hydrogel coating modified titanium promotes vascularization and osteointegration of bone defects by orchestrating immunomodulation. BIOMATERIALS. 2022 Aug;287:121683 IHC,IF ;Rat. 35870263
- **[IF=12.121]** Shanshan Hu. et al. A mussel-inspired film for adhesion to wet buccal tissue and efficient buccal drug

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delivery. Nat Commun. 2021 Mar;12(1):1-17 IHC ;Rat. 33727548

- **[IF=11.7]** Hong Wu. et al. HMMR triggers immune evasion of hepatocellular carcinoma by inactivation of phagocyte killing. SCI ADV. 2024 Jun;10(23) IF ;Mouse. 38838151