**bs-1482R** **[ Primary Antibody ]**

# CD177 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 499099

**Target:** CD177

**Immunogen:** KLH conjugated synthetic peptide derived from rat CD177: 521-650/818.

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes a glycosyl-phosphatidylinositol (GPI)-linked cell surface glycoprotein that plays a role in neutrophil activation. The protein can bind platelet endothelial cell adhesion molecule-1 and function in neutrophil transmigration. Mutations in this gene are associated with myeloproliferative diseases. Over-expression of this gene has been found in patients with polycythemia rubra vera. Autoantibodies against the protein may result in pulmonary transfusion reactions, and it may be involved in Wegener's granulomatosis. A related pseudogene, which is adjacent to this gene on chromosome 19, has been identified. [provided by RefSeq, Apr 2014]

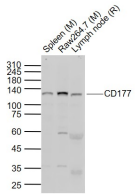
**Applications:** **WB** (1:500-2000)

**Reactivity:** Mouse, Rat

**Predicted MW.:** 90 kDa

**Subcellular Location:** Cell membrane

## VALIDATION IMAGES




Sample: Lane 1: Spleen (Mouse) Lysate at 40 ug
Lane 2: Raw264.7 (Mouse) Cell Lysate at 30 ug
Lane 3: Lymph node (Rat) Lysate at 40 ug
Primary: Anti-CD177 (bs-1482R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 90-120 kD Observed band size: 130 kD

## SELECTED CITATIONS


- **[IF=5]** Li Zhao. et al. Sinomenine alleviates lipopolysaccharide-induced acute lung injury via a PPARβ/δ-dependent mechanism. EUR J PHARMACOL. 2023 Aug;953:175838 IHC ;Mouse. 37307937
- **[IF=3.73]** Scott, Jason A., et al. "The Multifunctional Ca2+/Calmodulin-Dependent Kinase IIdelta (CaMKIIdelta) Regulates Arteriogenesis in a Mouse Model of Flow-Mediated Remodeling." PloS one 8.8 (2013): e71550. IHC ;="Mouse". 23951185
- **[IF=3.7]** Yang, Jian, et al. "Ultrastructure damage of oviduct telocytes in rat model of acute salpingitis." Journal of Cellular and Molecular Medicine (2015). IHC ;="Rat". 25753567
- **[IF=3.97]** Han, Feifei, et al. "Oral administration of yeast β-glucan ameliorates inflammation and intestinal barrier in

dextran sodium sulfate-induced acute colitis." Journal of Functional Foods 35 (2017): 115-126. IHC ;="Mouse". doi:10.1016/j.jff.2017.05.036

- **[IF=3.166]** Ning YL et al. Caffeine attenuates brain injury but increases mortality induced by high-intensity blast wave exposure. (2019) Toxicology Letters;Feb;301:90-97. IHC ;Mouse. 30423366