## bs-7058R

# [ Primary Antibody ]

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# ADGRE1 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GeneID: 13733 **SWISS:** Q61549

Target: ADGRE1

**Immunogen:** KLH conjugated synthetic peptide derived from mouse ADGRE1:

701-800/886. < Extracellular >

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:** The epidermal growth factor (EGF)-TM7 family constitutes a group of class B G-protein coupled receptors, which includes CD97, EMR1 (EGF-like molecule containing mucin-like hormone receptor 1, designated F4/80 in mouse), EMR2, EMR3, FIRE, and ETL (1-3). These family members are characterized by an extended extracellular region with several N-terminal EGF domains, and are predominantly expressed on cells of the immune system (1–3). The EGF-TM7 protein family are encoded by a gene cluster on human chromosome 19p13 (1,3,4). The F4/80 molecule is solely expressed on the surface of macrophages and serves as a marker for mature macrophage tissues, including Kupffer cells in liver, splenic red pulp macrophages, brain microglia, gut lamina propria, and Langerhans cells in the skin (1). F4/80/EMR1 undergoes extensive N-linked glycosylation as well as some O-linked glycosylation (5,6). The function of F4/80/EMR1 is unclear, but it is speculated to be involved in macrophage adhesion events, cell migration, or as a Gprotein coupled signaling component of macrophages.

Applications: IHC-P (1:100-500)

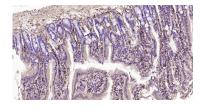
IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Mouse

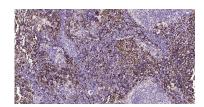
**Predicted** MW.:

Subcellular Location: Cell membrane

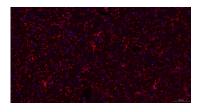
### **VALIDATION IMAGES**



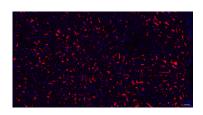
Paraformaldehyde-fixed, paraffin embedded Mouse Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with ADGRE1 Polyclonal Antibody, Unconjugated (bs-7058R) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with ADGRE1 Polyclonal Antibody, Unconjugated (bs-7058R) at 1:400 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ADGRE1 Polyclonal Antibody, Unconjugated (bs-7058R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell



Paraformaldehyde-fixed, paraffin embedded Mouse Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with ADGRE1 Polyclonal Antibody, Unconjugated (bs-7058R) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red, bs-0295G-BF594), DAPI (blue, C02-04002) was used to stain the cell nuclei.

## - SELECTED CITATIONS -

- [IF=13.903] Tang Y et al. Overcoming the Reticuloendothelial System Barrier to Drug Delivery with a "Don't-Eat-Us" Strategy. ACS Nano. 2019 Nov 5. IF : Mouse. 31689086
- [IF=13.081] Xu Jun Yan. et al. Interleukin-5-induced eosinophil population improves cardiac function after myocardial infarction. CARDIOVASC RES. 2022 Jul;118(9):2165-2178 IF; Mouse. 34259869
- [IF=9.918] Daijun Zhou. et al. An injectable miR181a-IFI6 nanoparticles promote high-quality healing of radiation-induced skin injury. MATER TODAY ADV. 2022 Aug;15:100267 FCM; Human. 10.1016/j.mtadv.2022.100267
- [IF=7.5] Zhiwen Luo. et al. Voluntary exercise sensitizes cancer immunotherapy via the collagen inhibition-orchestrated inflammatory tumor immune microenvironment. CELL REP. 2024 Sep;43:114697 Other; Human. 39217611
- [IF=7.675] Tao Yang. et al. Sphingosine-1-Phosphate Alleviates Irradiation Induced Salivary Gland Hypofunction through Preserving Endothelial Cells and Resident Macrophages. ANTIOXIDANTS-BASEL. 2022 Oct;11(10):2050 | F; Mouse. 36290773