**bs-41204R** **[ Primary Antibody ]**

# ADGRE1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

## DATASHEET

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

**Clonality:** Polyclonal

**GeneID:** 2015 **SWISS:** Q14246

**Target:** ADGRE1

**Immunogen:** Recombinant human ADGRE1: 241-530/886.

**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 G-protein coupled signaling component of macrophages.

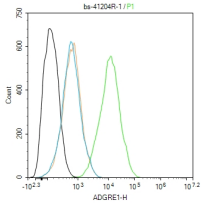
**Applications:** **Flow-Cyt** (1ug/Test)

**Reactivity:** Mouse

**Predicted MW.:** 95 kDa

**Subcellular Location:** Cell membrane

## VALIDATION IMAGES




Blank control（black line）:Raw264.7. Primary Antibody (green line): Rabbit Anti-ADGRE1 antibody (bs-41204R) Dilution:1ug/Test; Secondary Antibody（white blue line）: Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control（orange line）: Normal Rabbit IgG Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## SELECTED CITATIONS

- **[IF=9.4]** Shuai Zhang. et al. Magnetothermal and Ultrasound-Activated Nanoplatform for the Inhalable Therapy of

Bacterial Lung Infections. ACTA BIOMATER. 2025 Apr;: FC ;Mouse. 40274058

- **[IF=5.6]** Cheng Lu. et al. Inhibition of macrophage MAPK/NF-κB pathway and Th2 axis by mangiferin ameliorates MC903-induced atopic dermatitis. INT IMMUNOPHARMACOL. 2024 May;133:112038 IHC ;Mouse. 38621336