

bsm-41204R**[Primary Antibody]****BioSS**
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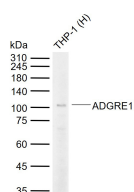
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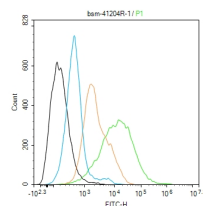
400-901-9800

ADGRE1 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1ug/Test) Reactivity: Human Predicted MW.: 95 kDa Subcellular Location: Cell membrane
Clonality: Recombinant	CloneNo.: 7E2	
GeneID: 2015	SWISS: Q14246	
Target: ADGRE1		
Immunogen: Recombinant human ADGRE1: 1-530/886.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: Size : 25ul/50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS 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.		

— VALIDATION IMAGES —

Sample: Lane 1: Human THP-1 cell lysates
 Primary: Anti-ADGRE1 (bsm-41204R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 95 kDa
 Observed band size: 100 kDa



Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-ADGRE1 antibody (bsm-41204R) Dilution: 1ug/Test; Secondary Antibody (white/blue line): Goat anti-rabbit IgG-FITC 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.