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Rabbit Anti-EMR1 antibody

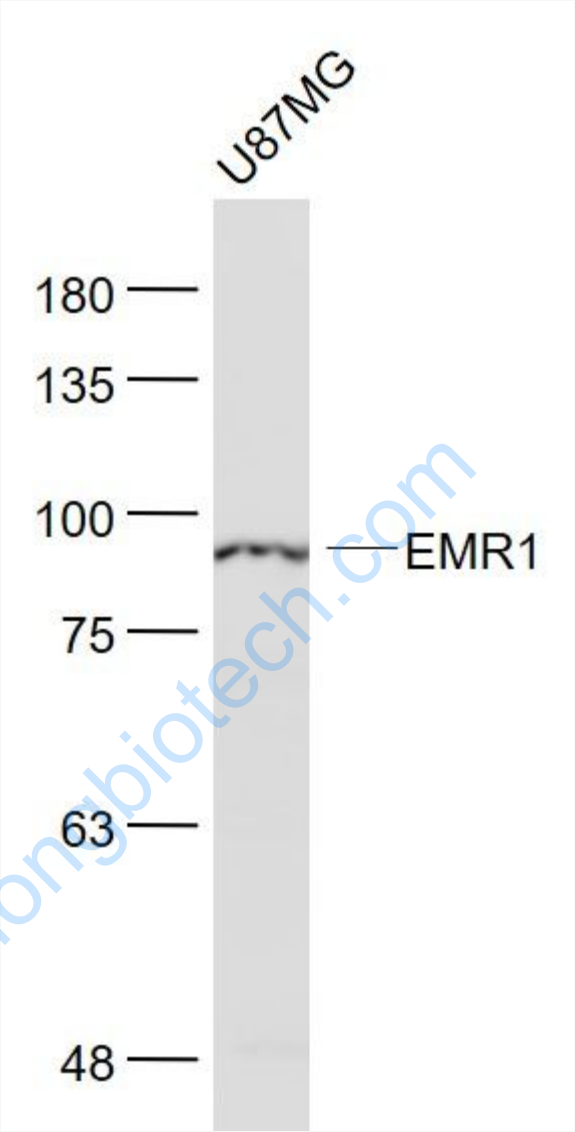
SL7058R

Product Name:	EMR1
Chinese Name:	表皮生长因子样激素受体1抗体
Alias:	F4/80; Cell surface glycoprotein EMR1; Cell surface glycoprotein F4/80; DD7A5 7; Egf like module containing mucin like hormone receptor like 1; Egf like module containing mucin like hormone receptor like sequence 1; EGF like module receptor 1; EGF TM7; EGF-like module receptor 1; EGF-like module-containing mucin-like hormone receptor-like 1; EGFTM7; EMR 1; EMR1; EMR-1; EMR1 hormone receptor; EMR1_HUMAN; Gpf480; Ly71; Lymphocyte antigen 71; TM7LN3.
文献引用 PubMed :	**Specific References(2)**|SL7058R has been referenced in 2 publications. **[IF=6.93]**Kwan, Karen HL, et al. ?Silver nanaoparticles alter proteoglycan expression in the promotion of tendon repair.? Nanomedicine: Nanotechnology, Biology and Medicine (2013).**IHC-P;Rat**. PubMed:24333594 **[IF=3.36]**Tsang, Yuk-Wah, et al. "Improving immunological tumor microenvironment using electro-hyperthermia followed by dendritic cell immunotherapy." BMC Cancer 15.1 (2015): 708.**IHC-P;Mouse**. PubMed:26472466
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	95kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid

Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EMR1/Gpf480:701-800/886<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. **Function:** Could be involved in cell-cell interactions. **Subunit:** Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 6 EGF-like domains. Contains 1 GPS domain. **Subcellular Location:** Cell membrane. **Tissue Specificity:** Wide expression; increased levels in peripheral blood mononuclear cells. **Similarity:** Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 6 EGF-like domains. Contains 1 GPS domain. **SWISS:** Q14246

	Gene ID: 2015 **Database links:** Entrez Gene: 2015Human Entrez Gene: 13733Mouse Omim: 600493Human SwissProt: Q14246Human SwissProt: Q61549Mouse Unigene: 2375Human Unigene: 2254Mouse **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

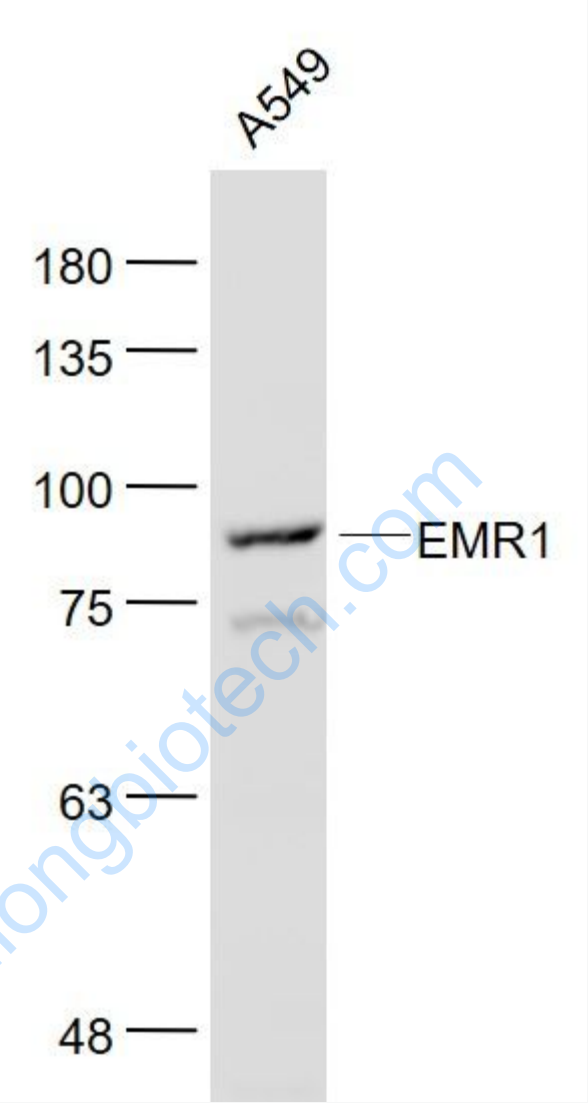
U87MG(Human) Cell Lysate at 30 ug

Primary: Anti- EMR1 (SL7058R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 95 kD

Observed band size: 95 kD



Sample:

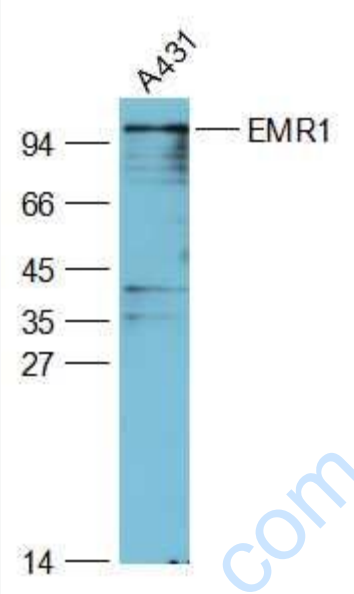
A549(Human) Cell Lysate at 30 ug

Primary: Anti- EMR1 (SL7058R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 95 kD

Observed band size: 95 kD



Sample:

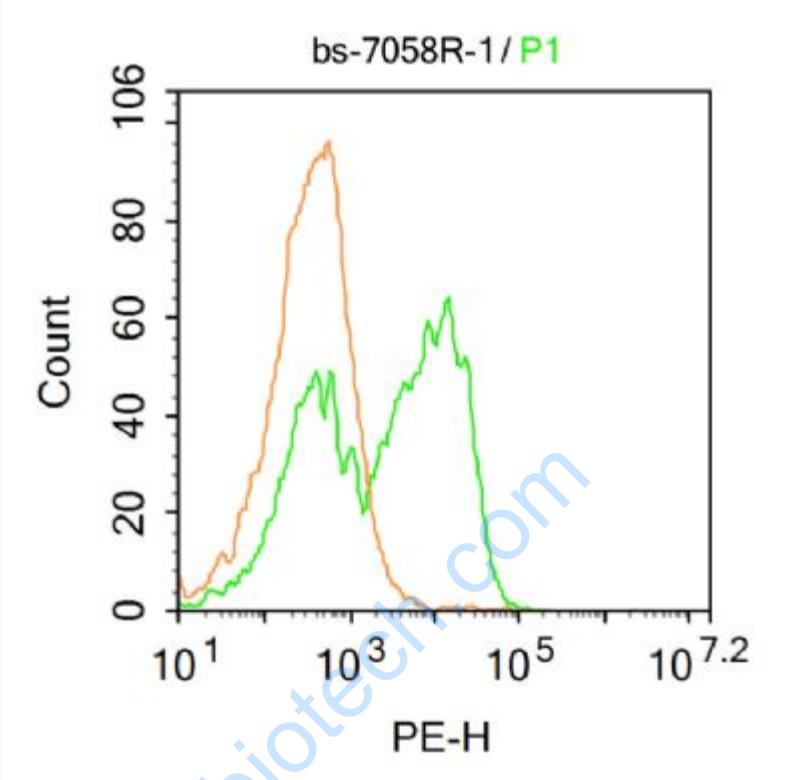
A431(Human) Cell Lysate at 30 ug

Primary: Anti-EMR1 (SL7058R) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 95 kD

Observed band size: 95 kD



Blank control: Mouse kidney.

Primary Antibody (green line): Rabbit Anti-EMR1 antibody (SL7058R)

Dilution: 1μg /10^6 cells;

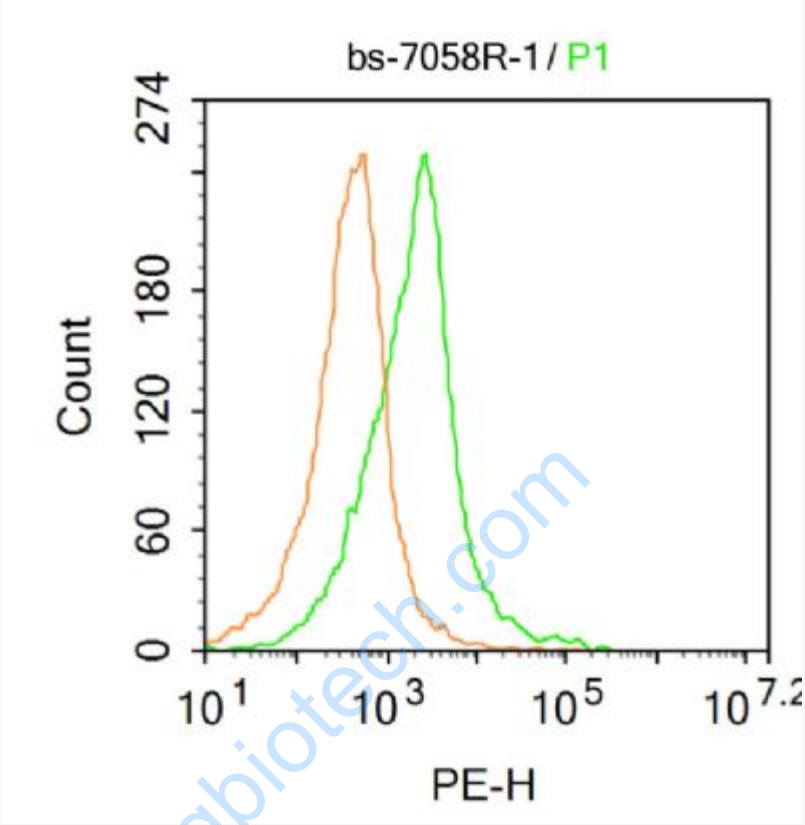
Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

Dilution: 1μg /test.

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at 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.



Blank control: Mouse brain.

Primary Antibody (green line): Rabbit Anti-EMR1 antibody (SL7058R)

Dilution: 1μg /10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-PE

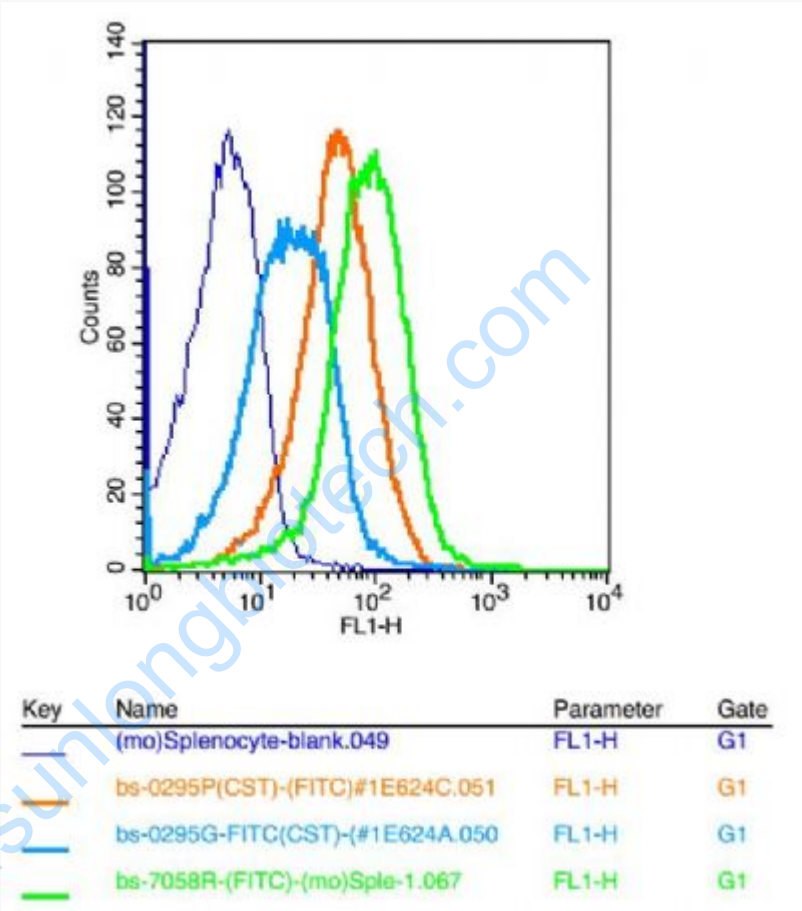
Dilution: 1μg /test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at-20℃. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at 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.



Positive control: mouse Splenocytes(2% Paraformaldehyde-fixed)

Isotype Control Antibody: Rabbit IgG Dilution: 1µg in 100 µl 1X PBS containing 0.5% BSA; Secondary Antibody: Goat anti-rabbit IgG-FITC; Dilution: 1:200 in 1 X PBS containing 0.5% BSA; Primary Antibody : rabbit Anti-EMR1 bs-7058R; Dilution: 1µg in 100 µl 1X PBS containing 0.5% BSA.