



## F4/80 Rat monoclonal antibody

Catalog: RB0001

Host: Rat

Reactivity: Human, Mouse

### 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. 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. The EGF-TM7 protein family are encoded by a gene cluster on human chromosome 19p13. 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. F4/80/EMR1 undergoes extensive N-linked glycosylation as well as some O-linked glycosylation. 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.

### Product:

Rat IgG in 1\* TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

### Molecular Weight:

160 kDa

### Swiss-Prot:

Q14246

### Purification&Purity:

Immunogen affinity purified

### Applications:

WB:1:100-1:1,000

IF:1:50-500

IHC:1:50-500

FC:1µgper1x10<sup>6</sup>cells

### Storage&Stability:

Store at +4 °C

### Specificity:

F4/80 Rat monoclonal antibody detects endogenous levels of F4/80 protein.

### DATA:

### Note:

For research use only, not for use in diagnostic procedure.

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