

F4/80 Recombinant Antibody [PSH01-87] - Rat IgG1 (Chimeric)

Cat:	YK151664
Product Type:	Recombinant Chimeric Antibody IgG, primary antibodies
Species reactivity:	Mouse
Applications:	WB, IHC-Fr, IHC-P
Molecular Wt:	Predicted band size: 102 kDa
Clone number:	PSH01-87
Description:	EGF-like module-containing mucin-like hormone receptor-like 1 also known as F4/80 is a protein encoded by the ADGRE1 gene. EMR1 is a member of the adhesion GPCR family. Adhesion GPCRs are characterized by an extended extracellular region often possessing Nterminal protein modules that is linked to a TM7 region via a domain known as the GPCRAutoproteolysis INducing (GAIN) domain. EMR1 expression in human is restricted to eosinophils and is a specific marker for these cells. The murine homolog of EMR1, F4/80, is a well-known and widely used marker of murine macrophage populations. The N-terminal fragment (NTF) of EMR1 contains 4-6 Epidermal Growth Factor-like (EGF-like) domains in human and 4-7 EGF-like domains in the mouse. Utilizing F4/80 knockout mice, Lin et al. showed that F4/80 is not necessary for the development of tissue macrophages but is required for the induction of efferent CD8+ regulatory T cells needed for peripheral tolerance.
Immunogen:	Recombinant protein within mouse F4/80 aa 1-650 / 931
Positive control:	Mouse lung tissue, mouse spleen tissue lysates.
Subcellular location:	Cell membrane.
Database links:	SwissProt: Q61549 Mouse
Recommended Dilutions:	
	WB: 1:5000; IHC-P: 1:2000; IHC-Fr: 1:500;
Storage Buffer:	PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage I nstruction:	Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.
Purity:	Protein A affinity purified.