

Store at  
-20C  
#30325**F4/80 (D4C8V) XP<sup>®</sup> Rabbit mAb**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP, IF-F, IF-IC	M	Endogenous	65-250	Rabbit IgG	#Q61549	13733

**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation  
Immunofluorescence (Frozen)  
Immunofluorescence (Immunocytochemistry)

**Dilution**

1:1000  
1:100  
1:200 - 1:800  
1:200 - 1:800

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

For a carrier free (BSA and azide free) version of this product see product #90302.

**Specificity/Sensitivity**

F4/80 (D4C8V) XP<sup>®</sup> Rabbit mAb recognizes endogenous levels of total F4/80 protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln260 of mouse F4/80 protein.

**Background**

F4/80 (EMR1) is a heavily glycosylated G-protein-coupled receptor and is a well-established marker for mouse macrophages (1-3). Expression of F4/80 has also been observed in microglia and subset populations of dendritic cells (4).

**Background References**

1. Hirsch, S. et al. (1981) *J Exp Med* 154, 713-25.
2. Austyn, J.M. and Gordon, S. (1981) *Eur J Immunol* 11, 805-15.
3. McKnight, A.J. et al. (1996) *J Biol Chem* 271, 486-9.
4. Greter, M. et al. (2015) *Front Immunol* 6, 249.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IP:** Immunoprecipitation **IF-F:** Immunofluorescence (Frozen) **IF-IC:** Immunofluorescence (Immunocytochemistry)

**Cross-Reactivity Key**

**M:** Mouse

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