



Product Specification Sheet

F4/80 antibody

□ Cat # F480-A

Rabbit Anti-Mouse Cell surface glycoprotein F4/80 antibody

SIZE: 100 µg

F4/80 is an approximately 160 kDa cell surface glycoprotein member of the EGF-TM7 family of proteins. Expression of F4/80 is heterogenous and modulated during macrophage maturation and activation. F4/80 is expressed in a wide range of mature tissue macrophages and also in a subpopulation of dendritic cells.

Source of Antigen or Antibodies

Uniprot: Q61549

Host: Rabbit

Clonality: Polyclonal

Purification: Ammonium sulfate followed by peptide affinity chromatography

Immunogen: 17 amino acid synthetic peptide derived from the C terminal Cytoplasmic region of Mouse F4/80

Species reactivity: Mouse and Rat

Cross reactivity: The peptide used as an immunogen exhibits 94% homology with Rat F4/80. It contains no significant homology with other species and is not recommended for samples other than Mouse or Rat

Subcellular Location: Plasma membrane

Alternative names: EGF-like module receptor 1, EGF-like module-containing mucin-like hormone receptor-like 1, EMR1 hormone receptor

Recommended Secondary Antibody: Goat anti-Rabbit IgG-HRP (ADI cat#20320)

Form & Storage of Antibodies

□ **Affinity pure IgG Solution**

Concentration: 0.5 mg/ml Volume: 200 µl

Supplied in PBS, pH 7.4 + 0.1% BSA

The antibody can be made available carrier free or conjugated to HRP, Biotin, or FITC on request

□ **Lyophilized powder**

Lyophilized from a formulation containing PBS, pH 7.4+3% Trehalose. Reconstitute powder in 200 µl PBS, 0.05% tween-20, and 0.1% BSA.

Storage:

Short-term: 4°C for 1-3 months

Long-term: at -20°C or below in suitable aliquots after reconstitution for 1 year. Do not expose to multiple freeze/thaw cycles or store working, diluted solutions. Glycerol may be added to a final concentration of 50% and antibodies can be stored un-aliquoted at -20°C.

Recommended Usage

Immunohistochemistry: 1-10 µg/ml. QC tested using 10 mM sodium citrate pH 6, antigen retrieval buffer. The antibody may work better with no retrieval or different retrieval solutions.

The above concentrations are a *suggestion*, user's must optimize their assay based on their own conditions. The antibody may work in other applications such as Flow Cytometry or Immunocytochemistry. These methods have not been tested by ADI.

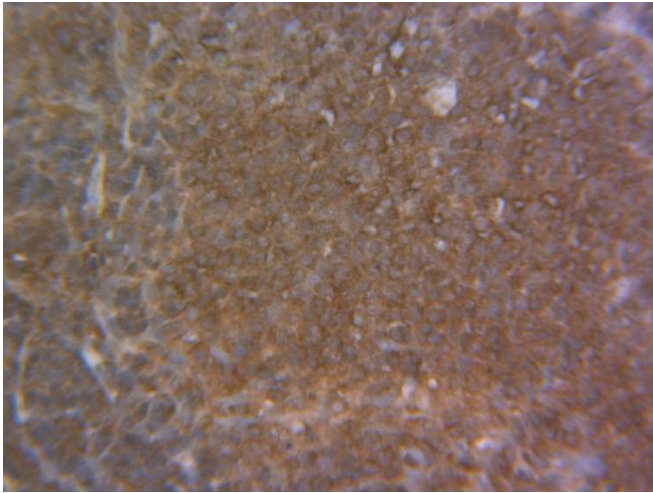
****This product is for In vitro research use only.***

Related materials available from ADI

Catalog#	Description
AB-13610	Rat Monoclonal Anti-Mouse CD11b-FITC IgG
CD45F-100	Mouse Monoclonal Anti-Human CD45-FITC
CD45F-25	Mouse Monoclonal Anti-Human CD45-FITC
CD45P-100	Mouse Monoclonal Anti-Human CD45-PE
CD45PC-100	Mouse Monoclonal Anti-Human CD45-PE-Cy5-
MCD008A-APC	Rat Monoclonal Anti-Mouse CD8a (Ly 2)
MCD008A-B	Rat Monoclonal Anti-Mouse CD8a (Ly 2)
MCD008A-F	Rat Monoclonal Anti-Mouse CD8a (Ly 2)
MCD008A-M	Rat Monoclonal Anti-Mouse CD8a (Ly 2)
RCD008A-B	Mouse Monoclonal Anti-Rat CD8a Biotin
RCD008A-F	Mouse Monoclonal Anti-Rat CD8a FITC
RCD008A-M	Mouse Monoclonal Anti-Rat CD8a
RCD008A-PE	Mouse Monoclonal Anti-Rat CD8a PE

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Immunohistochemistry: FFPE Rat spleen slide was heated for 20 minutes at 60°C then deparaffinized. Antigen retrieval was performed for 10 minutes at 95°C in a microwave using 10 mM pH 6, sodium citrate buffer. The slide was then cooled for 20 minutes at room temperature before being blocked for 30 minutes with 2.5% normal goat serum. **F480-A** was diluted to 5 µg/ml in TBST+0.1% BSA and incubated overnight at 4°C. The slides were then washed twice and incubated with 3% hydrogen peroxide for 10 minutes to quench endogenous peroxidase. The slide was washed then incubated with Goat anti-Rabbit IgG HRP polymer detection reagent for 30 minutes at room temperature. The slide was washed twice, incubated with DAB for 3 minutes, washed with distilled water, then counterstained for 1 minute with Gil's II Hematoxylin before being cover-slipped.