



Rat anti F4/80 Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** F4/80
- **Catalogue:** 605-790
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rat
- **Clone:** BM8
- **Application:** IHC(P)
- **Reactivity:** Hu, Ms, Rt

ANTIGEN PREPARATION

A synthetic peptide of human F4/80

BACKGROUND

F4/80 is a 160 kD glycoprotein. The BM8 monoclonal antibody reacts with mouse F4/80 antigen. It contains seven EGF-like domains on its extracellular N-terminus, seven transmembrane spanning sequences, and an intracellular C-terminal domain. F4/80 belongs to the EGF-TM7 family of proteins and is used as a murine macrophage marker. The macrophage F4/80 receptor is required for the induction of antigen-specific efferent regulatory T cells in peripheral tolerance.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human F4/80 protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 160.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

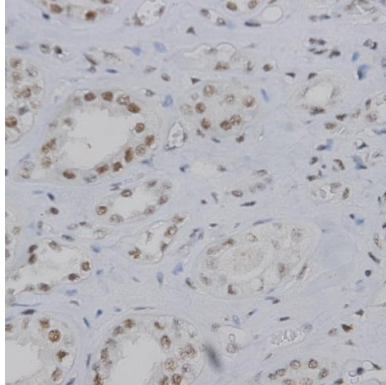
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human placenta (FFPE) stained with Mouse anti- F4/80 (Cat# 605-790) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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