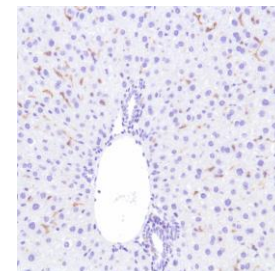




Rabbit Anti-Mouse F4/80 Monoclonal Antibody (Clone SP115)

CATALOG #:

- M4150** 0.1 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M4152** 0.5 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M4154** 1.0 ml rabbit monoclonal antibody purified by protein A/G in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
- M4151** 7.0 ml pre-diluted rabbit monoclonal antibody purified by protein A/G in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.



Fresh cut mouse liver stained with anti-F4/80 antibody

INTENDED USE:

For Research Use Only. Not for use in diagnostic procedures.

CLONE:

SP115

IMMUNOGEN:

Synthetic peptide derived from N-terminus of mouse F4/80 protein.

IG ISOTYPE:

Rabbit IgG

EPITOPE:

Not determined

MOLECULAR WEIGHT:

160kDa

SPECIES REACTIVITY:

Human and mouse (tested). (See www.springbio.com for information on species reactivity predicted by sequence homology.)

DESCRIPTION:

Mouse EGF-like module-containing mucin-like hormone receptor-like 1 (EMR1) or cell surface glycoprotein F4/80 is a cell surface glycoprotein and a member of the EGF TM7 family of proteins. It shares 68% overall amino acid identity with human EGF-module-containing-mucin-like hormone receptor 1 (EMR1). Expression of F4/80 is heterogeneous and is reported to vary during macrophage maturation and activation. The F4/80 antigen is expressed on a wide range of mature tissue macrophages including Kupffer cells, Langerhans, microglia, macrophages located in the gut lamina propria, peritoneal cavity, lung, thymus, bone marrow stroma and macrophages in the red pulp of the spleen. F4/80 expression has also been reported on a subpopulation of dendritic cells but is absent from macrophages located in T cell areas of the spleen and lymph node. The ligands and biological functions of the F4/80 antigen have not yet been determined but recent studies suggest a role for F4/80 in the generation of efferent CD8+ regulatory T cells.

APPLICATIONS:

Immunohistochemistry (IHC)

IHC PROCEDURE:

Specimen Preparation: Formalin-fixed, paraffin-embedded tissues are suitable for use with this primary antibody.

Deparaffinization: Deparaffinize slides using xylene or xylene alternative and graded alcohols.

Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:100. The dilutions are estimates; actual results may differ because of variability in methods and protocols.

Antigen Retrieval: Boil tissue section in EDTA buffer for 10 min followed by cooling at room temperature for 20 min.

Primary Antibody Incubation: Incubate for 10 minutes at room temperature.

Slide Washing: Slides must be washed in between steps. Rinse slides with PBS/0.05% Tween.

Visualization: Detect the antibody as instructed by the instructions provided with the visualization system.

POSITIVE CONTROL:

Human lung, fresh cut mouse liver

CELLULAR LOCALIZATION:

Membrane

STORAGE & STABILITY:

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.

If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical Support at spring.tech@ventana.roche.com.

**WARNINGS &
PRECAUTIONS:**

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.