

## Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H <sub>2</sub> O, then aliquot and store at -20°C until use.
Applications	<b>IHC-P/FFPE:</b> 1 : 500
Immunogen	Synthetic peptide corresponding to AA 28 to 42 from mouse F4/80 (UniProt Id: Q61549)
Reactivity	Reacts with: mouse (Q61549). Other species not tested yet.
Specificity	Specific for F4/80.

### TO BE USED IN VITRO / FOR RESEARCH ONLY NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The murine macrophage cell surface glycoprotein **F4/80** is a member of the epidermal growth factor-seven transmembrane (EGF-TM7) family. It is involved in the generation of antigen-specific efferent regulatory T cells that suppress antigen-specific immunity but not required for the development and distribution of tissue macrophages.

Although F4/80 is widely used as a marker of murine macrophage populations it is not equivalently expressed across tissue-specific macrophage lineages: e.g. red pulp macrophages of the spleen and Kupffer cells of the liver are F4/80-positive, white pulp and marginal zone macrophages of the spleen are F4/80-negative and alveolar macrophages are F4/80dim.

F4/80 expression is not restricted to macrophages, but also found in murine Epidermal Langerhans Cells; dendritic cells of the skin. The human ortholog of F4/80, EGF-like module containing mucin-like hormone receptor (EMR)1, is absent on mononuclear phagocytic cells including monocytes, macrophages, and myeloid dendritic cells and seems to be highly specific for eosinophils in humans.

## Selected General References

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