Product datasheet

Anti-CD68 Antibody (Clone#SP130)

Catalog Number: *BM5785*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-CD68 Antibody (Clone#SP130)
Gene Name	CD68
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	IF, IHC
Contents	200 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	Subcellular fraction of human alveolar macrophages
Concentration	200 ug/ml
Dilution Ratios	Immunohistochemistry (IHC):1:50-100 Immunofluorescence (IF): 1:50-100

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

CD68, cluster of differentiation, is a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. CD68 is a member of a family of hematopoietic mucin-like molecules that includes leukosialin/CD43 and stem cell antigen CD34. The CD68 gene is mapped to 17p13.1. Immunohistochemistry can be used to identify the presence of CD68, which is found in the cytoplasmic granules of a range of different blood cells. It is particularly useful as a marker for the various cells of the macrophage lineage, including monocytes, histiocytes, giant cells, Kupffer cells, and osteoclasts. This allows it to be used to distinguish diseases of otherwise similar appearance, such as the monocyte/macrophage and lymphoid forms of leukaemia (the latter being CD68 negative). Its presence in macrophages also makes it useful in diagnosing conditions related to proliferation or abnormality of these cells, such as malignant histiocytosis, histiocytic lymphoma, and Gaucher's disease.

Reference

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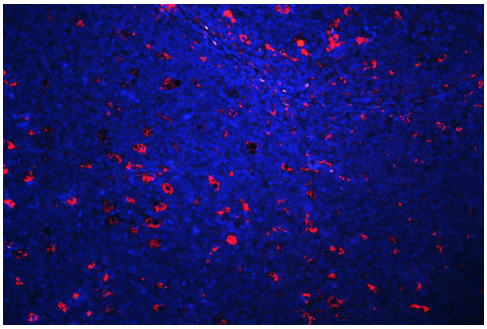
Anti-CD68 Antibody (Clone#SP130)被引用在7文献中。

Selected Validation Data



IF analysis using anti- CD68 antibody (BM5785). detected in paraffin-embedded section of human tonsil tissues. The tissue section were stained using the cy3-conjugated Anti-mouse IgG Secondary Antibody (red)(Catalog # BA1031).