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CD68
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX50031
Clone# BP6036

Predicted Molecular Wt: 37kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P34810

Background:

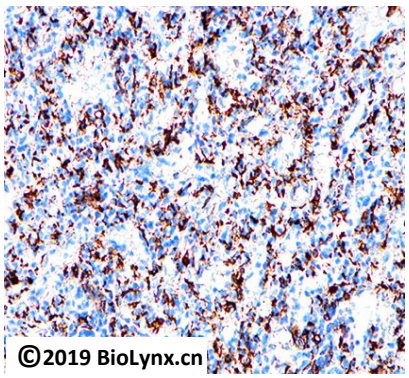
CD68 is a highly glycosylated transmembrane protein which is mainly located in lysosomes. It could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions.

CD68 is detected in different types of macrophages of monocyte lineage and also reacts with myeloid precursor cells in the bone marrow. Positivity is seen in Kupffer cells and histiocytes in normal lymphoid tissue, but also mast cells and microglia. In tumor tissues, it is detected in fibrous-histiocytic tumors, some epithelial neoplasms, epithelioid cells of some malignant melanomas.

CD68 may be useful for the identification of myelomonocytic and histiocytic tumors.

Subcellular location:
Membrane
Recommended method:
Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.
Immunogen:
Synthetic peptide corresponding to CD68 residues within aa100-200 of CD68 was used as an immunogen.

Storage Buffer:
PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Storage conditions:
-20°C
Storage instructions:
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.
Recommended Dilutions:
IHC-P: 1:200-1:400



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of spleen tissue labelling CD68 with BP6036. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Background References:

1. Kunz-Schughart LA, et.al, Verh Dtsch Ges Pathol. 2003;87:215-23.
2. Sachdev R, et.al, J Cutan Pathol. 2006 May;33(5):353-60.

Product QC'd by:

For research use only. Not for use in diagnostic or therapeutic applications.