Product Datasheet

CD68 Mouse Recombinant Monoclonal Antibody (orb1520128)

Catalog Number	orb1520128
Category	Antibodies
Description	CD68 Antibody
Target	CD68
Clonality	Recombinant
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Liquid
Concentration	50 µg/ml
Buffer/Preservatives	Phosphate Buffered Saline (PBS) pH 8.2 with 0.1% rAlbumin and 0.09% Sodium Azide
Purity	Recombinant antibody was purified from cell culture supernatant
Purification	Purified
Immunogen	Lysosomal fraction of human lung macrophages
UniProt ID	P34810

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Tested applications	FC, IF, IHC
Dilution range	Flow-Cyt Fixed in 4% formaldehyde and permeabilized with 50% methanol. 2 µl per 1 x 10^6 cells. Immunohistochemistry (IHC) 1:100 - 1:500. Epitope retrieval with Tris-EDTA pH 9.0 is recommended for FFPE tissue sections. IHC-IF 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections. Multiplex Immunofluorescence (mIF) 1:250
Application notes	Format: Whole IgG
Antibody Type	Primary Antibody
Clone Number	KP-1
Storage	2 - 8°C
Background	CD68 is a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. It is a type I integral membrane protein with a heavily glycosylated extracellular domain and binds to tissue- and organ-specific lectins or selectins.CD68 is also a member of the scavenger receptor family. Scavenger receptors typically function to clear cellular debris, promote phagocytosis, and mediate the recruitment and activation of macrophages
Note	For research use only
NCBI	**NP_001242.2**
Expiration Date	12 months from date of receipt.

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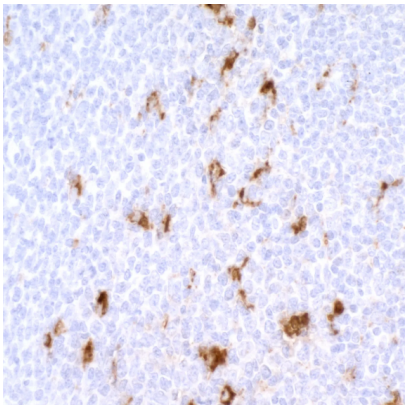
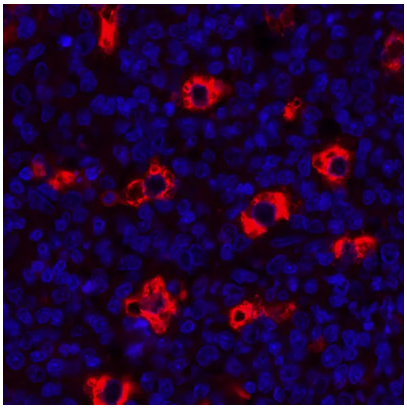
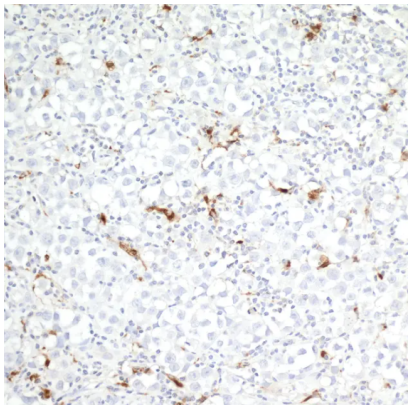


Detection of human CD68 in FFPE tonsil by IHC. Antibody: Mouse monoclonal anti-CD68. Secondary: HRP-conjugated goat anti-mouse IgG. Substrate: DAB



Detection of human CD68 by immunohistochemistry. Sample: FFPE section of human tonsil. Antibody: Mouse monoclonal anti-CD68 antibody used at 1:100. Secondary: DyLight® 594-conjugated goat anti-mouse IgG



Detection of human CD68 in FFPE seminoma by IHC. Antibody: Mouse monoclonal anti-CD68. Secondary: HRP-conjugated goat anti-mouse IgG. Substrate: DAB. Counterstain:Hematoxylin (blue)

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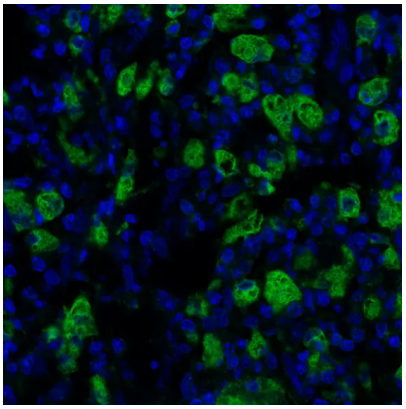

Detection of human CD68 (green) by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Mouse anti-CD68 monoclonal antibody used at 1:500. Secondary: HRP-conjugated goat anti-mouse IgG. Substrate: Opal™ . Counterstain: DAPI (blue).

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