

Anti-CD68 Mouse mAb

Purified Mouse Monoclonal Antibody

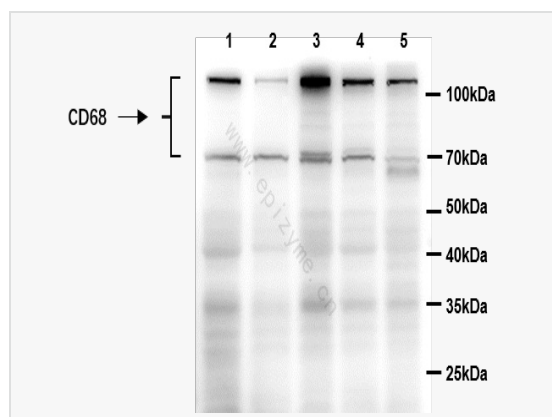
Catalog # M012181

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200; IF 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	80M22L04
Isotype	IgG1
Label	Unconjugated
Immunogen	Synthetic Peptide of CD68
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CD68 antibody [80M22L04] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CD68, Macrosialin, Gp110, CD68.
Calculated MW	Calculated MW: 37 kDa; Observed MW: 70-80 kDa, 120-140 kDa
Uniprot ID	P34810
Gene ID	968
Background	CD68 belongs to a family of acidic, highly glycosylated lysosomal glycoproteins (LGPs) that includes lamp-1 and lamp-2. Play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions.



Western Blot - Anti-CD68 Mouse mAb [80M22L04]

All lanes: M012181 at 1:1,000 dilution

Lane 1: HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: T24 (human bladder cancer epithelial cell) whole cell lysates

Lane 5: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates

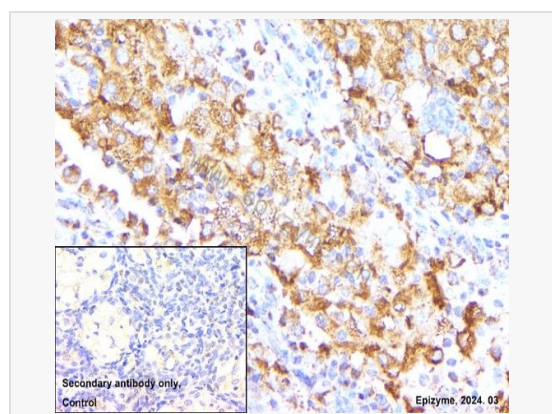
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 37 kDa

Observed band size: 70-80 kDa, 120-140 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-CD68 Mouse mAb [80M22L04]

Sample: Paraformaldehyde-fixed, paraffin embedded human lung cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: M012181 at 1:200 dilution

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.