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Product datasheet for CF807199

CD68 Mouse Monoclonal Antibody [Clone ID: KP1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	KP1
Applications:	FC, IHC
Recommended Dilution:	IHC 1:500, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Lysosomal fraction of human lung macrophages CD68(KP1)
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD68 molecule
Database Link:	NP_001242 Entrez Gene 968 Human P34810

View online »

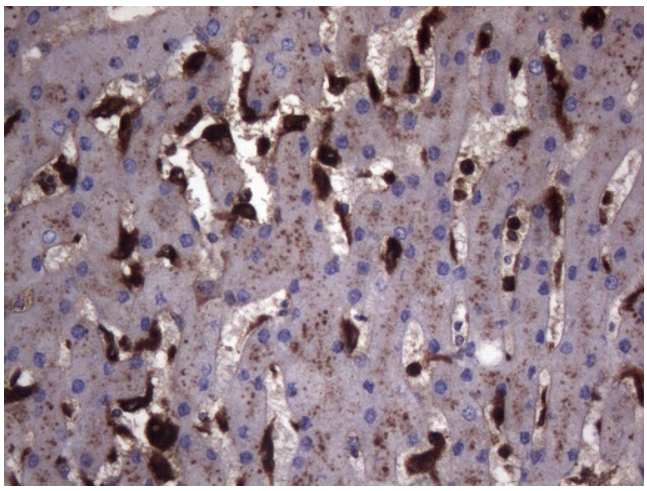
Background: This gene encodes a 110-kD transmembrane glycoprotein that is highly expressed by human monocytes and tissue macrophages. It is a member of the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family. The protein primarily localizes to lysosomes and endosomes with a smaller fraction 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. The protein 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. Alternative splicing results in multiple transcripts encoding different isoforms. [provided by RefSeq, Jul 2008]

Synonyms: GP110; LAMP4; SCARD1

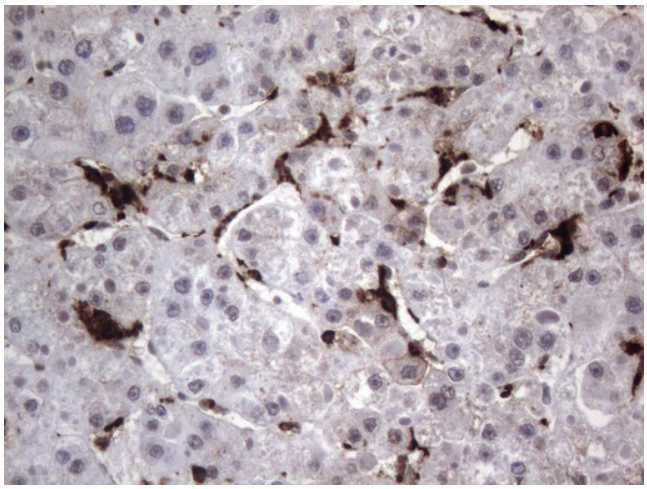
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Lysosome

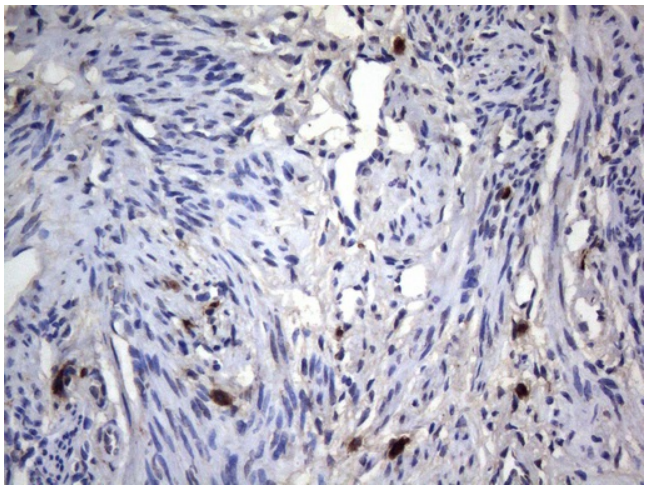
Product images:



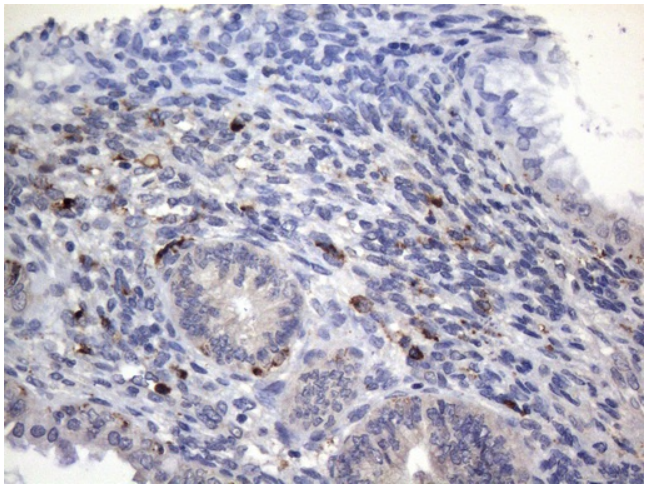
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-CD68 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807199]) (1:500)



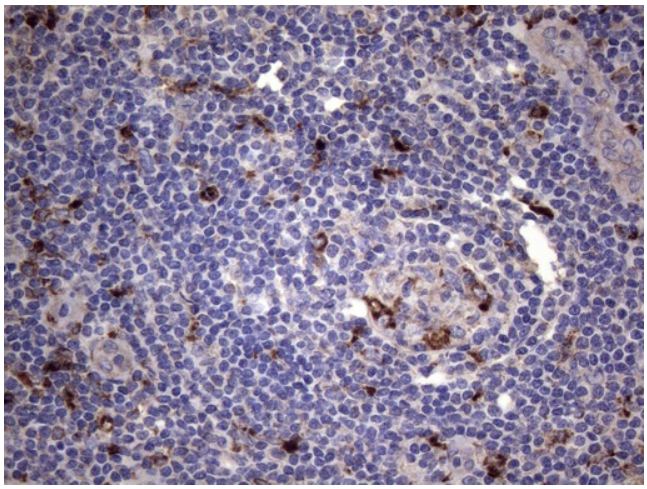
Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-CD68 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807199]) (1:500)



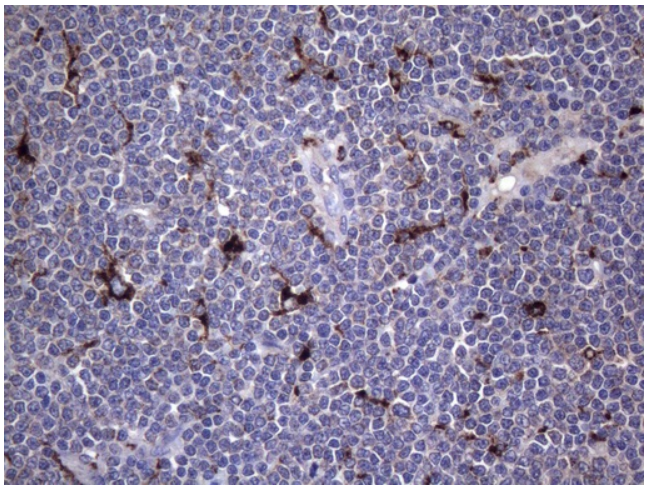
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-CD68 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807199]) (1:500)



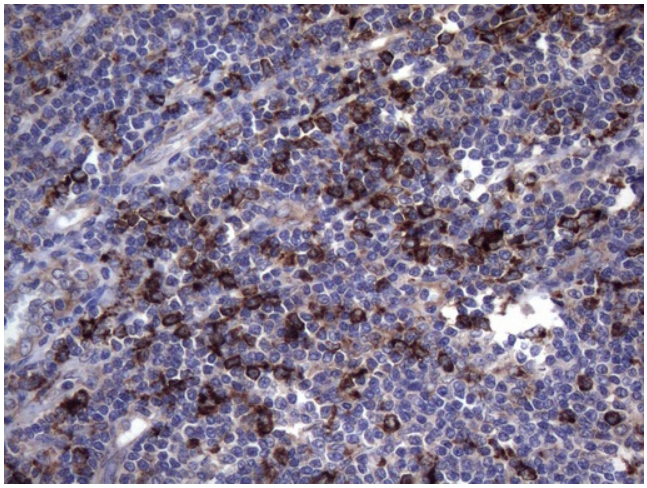
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-CD68 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807199]) (1:500)



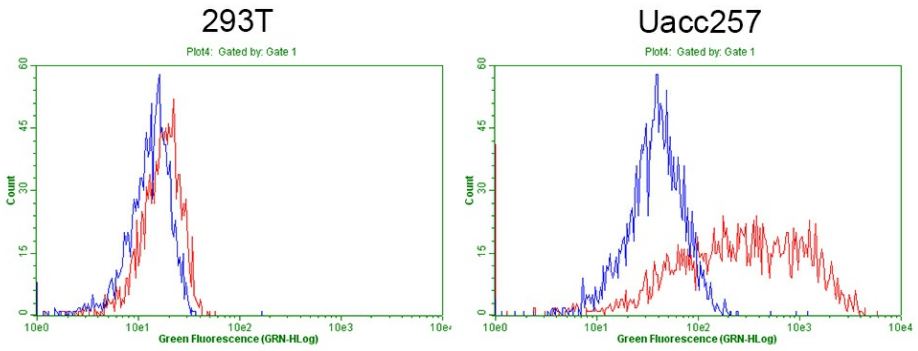
Immunohistochemical staining of paraffin-embedded Human lymph node tissue within the normal limits using anti-CD68 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807199]) (1:500)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-CD68 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807199]) (1:500)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-CD68 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA807199]) (1:500)



Flow cytometric Analysis of UACC257 cells, using anti-CD68 antibody ([TA807199]), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue). (1:100) The left is HEK293 cells serving as positive control.