



ELK Biotechnology

CD68 Mouse mAb

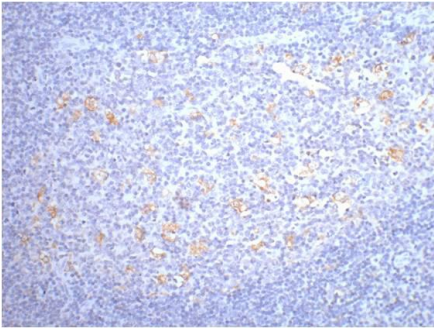
Catalog NO.: EM1050

For research use only.

Overview

Product name	CD68 Mouse Monoclonal antibody
Source	Mouse
Applications	IHC
Species reactivity	Human Rat Mouse
Recommended dilutions	Immunohistochemistry:1/200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	37kDa
GeneID (Human)	968
Human Swiss-Prot No.	P34810
Cellular localization	Cell membrane and Endosome membrane. Lysosome membrane
Alternative Names	CD68 molecule GP110 Macrosialin SCARD1
Background	The CD68 antigen is a 37kD transmembrane protein that is post-translationally glycosylated to give a protein of 87-115kD. CD68 is specifically expressed by tissue macrophages Langerhans cells and at low levels by dendritic cells. It could play a role in phagocytic activities of tissue macrophages both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. It binds to tissue- and organ-specific lectins or selectins allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the

plasma membrane may allow macrophages to crawl over selectin bearing substrates or other cells.



IHC staining of human tonsil tissue with CD68 mouse mAb(6F3) diluted at:200.