



CD68 Mouse Monoclonal Antibody

E12-073

Catalog Number: E12-073**Amount:** 100µg/100µl**Clone Number:** 6F3

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.

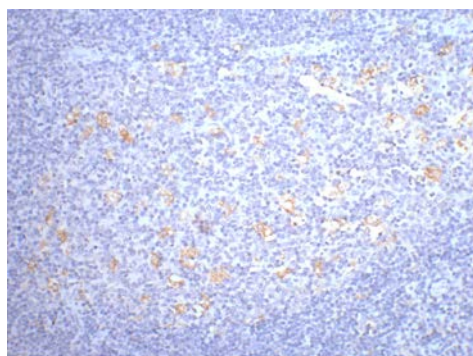
Form of Antibody: Mouse IgG1 in phosphate buffered saline (without Mg^{2+} and Ca^{2+}), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Specificity/Sensitivity: The CD68 antibody detects endogenous CD68 proteins (~37KD).

Reactivity: Human, Mouse, Rat

Applications: IHC: 1:200



IHC staining of human tonsil tissue CD68 mouse mAb(6F3) diluted at 1:200.

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