

CD68 Mouse Monoclonal Antibody(12E2)

Catalog	TDY202C	TDY202F
Quantity	50 μ L	100 μ L

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For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
IHC	H, R, M	~37KD	IgG1

Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.
Store at **-20°C**. **Do not aliquot the antibody.**

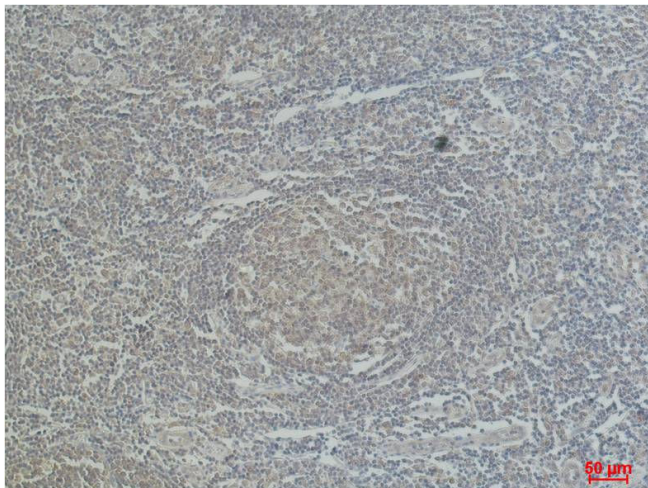
Recommended dilutions: IHC: 1:200-500

Optimal dilutions should be determined by the end user.

Specificity: The CD68 antibody can detects endogenous CD68 protein.

Alternative Names: CD68 antigen antibody, Macrophage antigen CD68 (microsialin) antibody, GP110 antibody

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.



Immunohistochemical analysis of paraffin-embedded Human Tonsil Tissue using CD68 (TDY202) Mouse mAb diluted at 1:500.