

## Product datasheet for **TA355258**

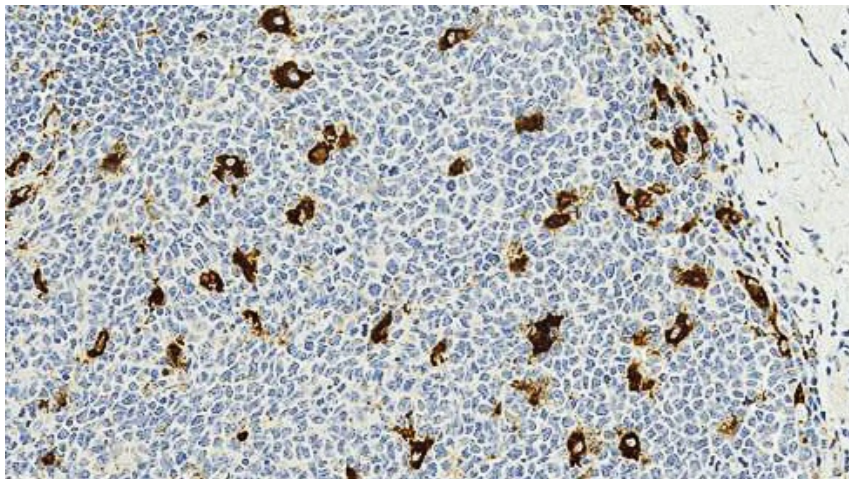
### CD68 Mouse Monoclonal Antibody [Clone ID: 514H12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	514H12
Applications:	IHC
Recommended Dilution:	1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Prokaryotic fusion protein corresponding to the carboxy-terminal half of the external domain of the human CD68 molecule
Specificity:	Human CD68 antigen
Formulation:	Liquid tissue culture supernatant containing sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	CD68 molecule
Database Link:	<a href="#">Entrez Gene 968 Human P34810</a>
Background:	The CD68 molecule is a 110 kD intracellular glycoprotein primarily reported to be associated with cytoplasmic granules and to a lesser extent the membranes of macrophages. Markers to CD68 antigen are the most frequently used for the identification of macrophages in immunohistochemistry; however, CD68 is also found in monocytes, neutrophils, basophils and large lymphocytes. The function of the CD68 molecule is not certain but these lysosomal membrane proteins are major components and may protect the membranes from attack by acid hydrolases. It is unclear if the surface-associated CD68 protein is functionally significant or due to leakage from the lysosomes. CD68 protein expression has been demonstrated in stimulated T cells and NK cells and non-hematopoietic tissues such as liver and renal tubules.
Synonyms:	DKFZp686M18236; GP110; macrosialin; SCARD1



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**Product images:**

Human tonsil: immunohistochemical staining for CD68. Note the germinal centre macrophages show a strong cytoplasmic staining reaction, while the interfollicular macrophages show correct weak to moderate staining reaction. CD68: clone 514H12