

Mouse anti-CD68, clone 514H12 (monoclonal)

Clone no. 514H12

MONXtra

Product name	Mouse anti-CD68, clone 514H12 (monoclonal)
Host	Mouse
Applications	IHC-P (1:100)
Species reactivity	human
Conjugate	-
Immunogen	Prokaryotic fusion protein corresponding to the carboxy-terminal half of the external domain of the human CD68 molecule.
Isotype	IgG2a, kappa
Clonality	Monoclonal
Clone number	514H12
Size	1 ml
Concentration	Greater than or equal to 37 mg/L
Format	-
Storage buffer	Tissue culture supernatant with sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

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.

References

1. Gu M et al. Annals of Diagnostic Pathology. 2007; 11:64-67
2. Da Costa CET et al. The Journal of Experimental Medicine. 2005; 201(5):687-69
3. -
4. -
5. -

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