


Product datasheet

Anti-CD68 antibody [KP1 + C68/684] - BSA and Azide free ab213099

2 Images

Overview

Product name	Anti-CD68 antibody [KP1 + C68/684] - BSA and Azide free
Description	Mouse monoclonal [KP1 + C68/684] to CD68 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cat, Monkey 
Immunogen	<p>This product was produced with the following immunogens:</p> <p>Tissue, cells or virus corresponding to Human CD68. Subcellular fraction of Human alveolar macrophages (clone KP1)</p> <p>Database link: P34810</p> <p>Recombinant full length protein corresponding to Human CD68. (clone C68/684)</p> <p>Database link: P34810</p>
Positive control	Human histiocytoma, Human tonsil, lymph node and spleen tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> <p>Please note that this antibody is an oligoclonal antibody. It is a cocktail of monoclonal antibodies that have been carefully selected. Oligoclonal antibodies have not only the specificity and batch-to-batch consistency of a monoclonal antibody, but also have the advantage of the sensitivity of a polyclonal antibody due to their ability to recognize multiple epitopes on an antigen.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long

term. Avoid freeze / thaw cycle.

Storage buffer

pH: 7.2

Constituent: 100% PBS

Carrier free

Yes

Purity

Protein G purified

Purification notes

Purified from bioreactor concentrate.

Clonality

Monoclonal

Clone number

KP1 + C68/684

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab213099 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. 30 minutes at room temperature.

Target

Function

Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. 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.

Tissue specificity

Highly expressed by blood monocytes and tissue macrophages. Also expressed in lymphocytes, fibroblasts and endothelial cells. Expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites.

Sequence similarities

Belongs to the LAMP family.

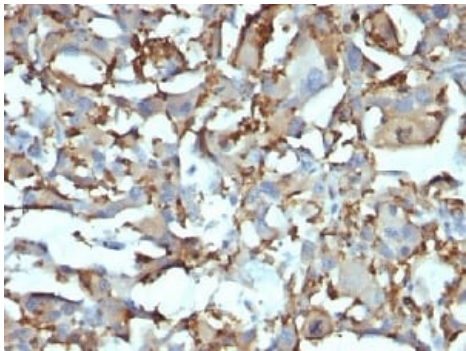
Post-translational modifications

N- and O-glycosylated.

Cellular localization

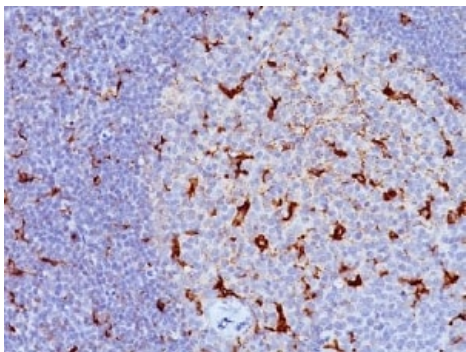
Cell membrane and Endosome membrane. Lysosome membrane.

Images



Immunohistochemical analysis of formalin fixed paraffin-embedded Human histiocytoma tissue labeling CD68 with ab213099 at 0.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD68 antibody [KP1 + C68/684] - BSA and Azide free (ab213099)



Immunohistochemical analysis of formalin fixed paraffin-embedded Human tonsil tissue labeling CD68 with ab213099 at 0.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD68 antibody [KP1 + C68/684] - BSA and Azide free (ab213099)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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