

Alexa Fluor® 488 Anti-F4/80 antibody [F4/80] ab204266

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Overview

Product name	Alexa Fluor® 488 Anti-F4/80 antibody [F4/80]
Description	Alexa Fluor® 488 Rat monoclonal [F4/80] to F4/80
Host species	Rat
Conjugation	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse F4/80. (Thioglycollate stimulated peritoneal macrophages from C57/BL mice).
Positive control	ICC/IF: Raw264.7
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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

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. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
Purity	IgG fraction
Clonality	Monoclonal
Clone number	F4/80
Myeloma	NS1
Isotype	IgG2b
Light chain type	kappa

Applications

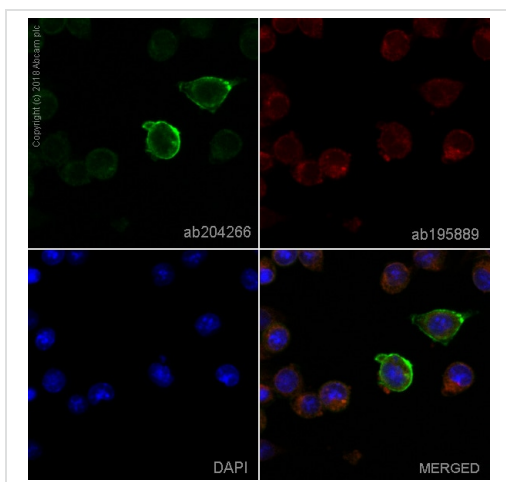
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab204266 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100. This product gave a positive signal in Raw264.7 cells fixed with 100% methanol (5 min).

Target

Function	Orphan receptor involved in cell adhesion and probably in cell-cell interactions specifically involving cells of the immune system. May play a role in regulatory T-cells (Treg) development.
Tissue specificity	Expression is restricted to eosinophils.
Sequence similarities	Belongs to the G-protein coupled receptor 2 family. Adhesion G-protein coupled receptor (ADGR) subfamily. Contains 6 EGF-like domains. Contains 1 GPS domain.
Cellular localization	Cell membrane.

Images



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 488 Anti-F4/80 antibody [F4/80] (ab204266)

ab204266 staining F4/80 in Raw264.7 cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab204266 at a 1/40 dilution (shown in green) and **ab195889**, Mouse monoclonal to alpha Tubulin (Alexa Fluor® 594), at a 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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

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