

CD115 (c-fms) Monoclonal Antibody (AFS98), eBioscience™

Product Details

Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	AFS98
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_467428

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-Dependent	2 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	1 Publication
Immunocytochemistry (ICC/IF)	-	3 Publications
Flow Cytometry (Flow)	1 µg/test	68 Publications
Neutralization (Neu)	Assay-Dependent	4 Publications
Functional Assay (FN)	Assay-Dependent	-
Inhibition Assays (IA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Description: The AFS98 monoclonal antibody reacts with the mouse CD115 molecule, a receptor for macrophage colony stimulating factor (M-CSF) or colony stimulating factor-1 (CSF-1). CD115 is expressed by monocyte, macrophage, osteoclast, and some epithelial cells. It is a 150 kDa c-fms gene product and belongs to immunoglobulin family. CSF-1 signaling through CSF-1R regulates the proliferation and differentiation of cells in the monocytic lineage.

Applications Reported: The AFS98 antibody has been reported for use in flow cytometric analysis, immunoblotting (WB), and immunohistochemical staining of frozen tissue sections. It has also been reported in blocking of ligand binding. (Please use Functional Grade purified AFS98, Product # 16-1152 , in functional assays.).

Applications Tested: The AFS98 antibody has been tested by blocking of fluorochrome conjugated AFS98 in flow cytometric analysis of peritoneal exudate cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the

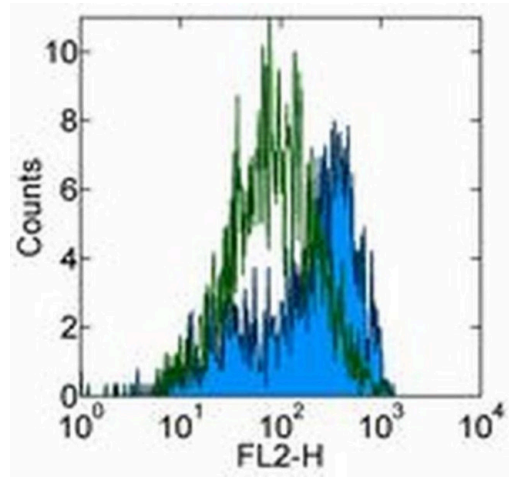
assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD115 (c-fms) Monoclonal Antibody (AFS98), eBioscience™



CD115 (c-fms) Antibody (14-1152-82) in Flow
Staining of thioglycolate-induced peritoneal exudate cells (PECs) with 0.25 µg of Rat IgG2a kappa Isotype Control Purified (Product # 14-4321-82) (open histogram) or 0.25 µg of Anti-Mouse CD115 (c-fms) Purified (filled histogram) followed by Anti-Rat IgG Biotin (Product # 13-4813-85) and Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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Western Blot (2)

<p>Journal of cell science</p> <p>Delivery of CSF-1R to the lumen of macropinosomes promotes its destruction in macrophages.</p> <p>"14-1152-82 was used in Immunocytochemistry to show that internalisation of CSF-1R in small endocytic vesicles outcompetes CSF-1R endocytosis via macropinocytosis."</p> <p>Authors: Lou J,Low-Nam ST,Kerkvliet JG,Hoppe AD</p>	<p>Year 2014</p> <p>Species Mouse</p>
<p>PloS one</p> <p>Hypoxia enhances the proliferative response of macrophages to CSF-1 and their pro-survival response to TNF.</p> <p>"14-1152 was used in Western Blotting to examine the effects of hypoxia on the macrophage response to CSF-1 and TNF."</p> <p>Authors: Hamilton JA,Lacey DC,Turner A,de Kok B,Huynh J,Scholz GM</p>	<p>Year 2013</p> <p>Species Mouse</p>

Immunohistochemistry (2)

<p>The Journal of clinical investigation</p> <p>Stat3-dependent acute Rantes production in vascular smooth muscle cells modulates inflammation following arterial injury in mice.</p> <p>Authors: Kovacic JC,Gupta R,Lee AC,Ma M,Fang F,Tolbert CN,Walts AD,Beltran LE,San H,Chen G,St Hilaire C,Boehm M</p>	<p>Year 2010</p> <p>Species Mouse</p> <p>Dilution 1:100</p>
<p>Nature immunology</p> <p>The receptor tyrosine kinase Flt3 is required for dendritic cell development in peripheral lymphoid tissues.</p> <p>"14-1152-82 was used in Immunohistochemistry to investigate the hematopoietic growth factors regulating dendritic development."</p> <p>Authors: Waskow C,Liu K,Darrasse-Jèze G,Guermonprez P,Ginhoux F,Merad M,Shengelia T,Yao K,Nussenzweig M</p>	<p>Year 2008</p> <p>Species Mouse</p>

More applications with references on thermofisher.cn

- IHC (F) (1)
- ICC/IF (3)
- Flow (68)
- Neu (4)
- IA (1)
- Misc (1)

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