

Rat F4/80 Monoclonal Antibody | anti-F4/80 antibody

RAT ANTI MOUSE F4/80:Biotin

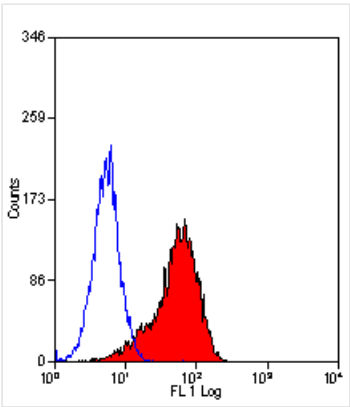
CATALOG # AAA12164	HOST Rat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

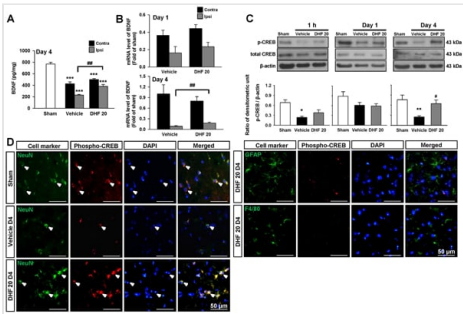
F4/80; Monoclonal Antibody; RAT ANTI MOUSE F4/80:Biotin; anti-F4/80 antibody

PRODUCT SPECIFICATIONS

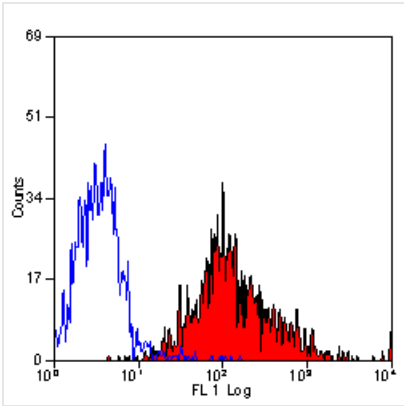
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	Cl:A3-1
Form/Format	Biotin Purified IgG conjugated to Biotin - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	931
Applicable Applications for anti-F4/80 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Minimum Dilution: Neat; Maximum Dilution: 1/10
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



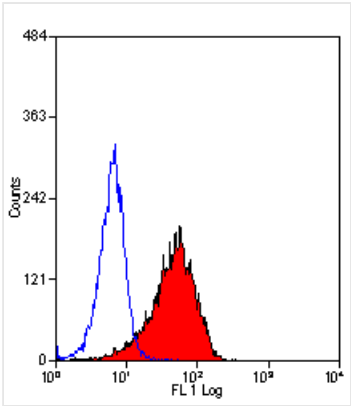
Application Data
Staining of J774 cells with Rat anti Mouse F4/80 antigen Biotin



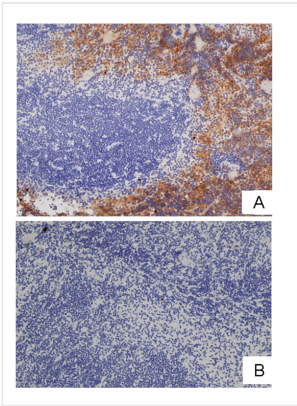
Application Data
Published customer image: Post-injury 7,8-dihydroxyflavone treatment increased brain BDNF levels and promoted CREB activation. (A) Bar graphs demonstrating brain derived neurotrophic factor (BDNF) protein concentrations measured by enzyme-linked immunosorbent assay (ELISA) in sham-injured, vehicle-treated, and 20 mg/kg 7,8-dihydroxyflavone (DHF 20)-treated mice at 4 days post-TBI. DHF 20 significantly increased BDNF protein levels in the ipsilateral hemisphere at 4 days post-injury. (B) Bar graphs demonstrating BDNF mRNA expression measured by real-time quantitative reverse transcriptase polymerase chain reaction (RT-PCR) at 1 and 4 days post-injury. DHF 20 significantly increased BDNF mRNA levels in the ipsilateral hemisphere at 4 days post-injury. (C) Western blot analysis of the phospho-CREB level in the ipsilateral hemisphere of sham-injured, vehicle-treated, and DHF 20-treated mice at 1 h, 1 day, and 4 days post-injury. DHF 20 enhanced CREB phosphorylation at 4 days post-injury. (D) Identification of phospho-CREB-positive cells 4 day post-injury in the peri-contusional margin by double immunofluorescence staining. Phospho-CREB is shown in red, and NeuN (neurons), GFAP (astrocytes), or F4/80 (microglia) is shown in green. Co-localization of phospho-CREB with NeuN is shown by yellow labeling. Sections were stained with DAPI (blue) to show all nuclei. Values are mean $\pm$ SEM; *P



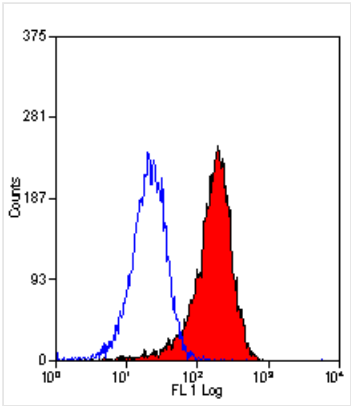
Application Data
Staining of mouse peritoneal macrophages with Rat anti Mouse F4/80 antigen: Pacific Blue



Application Data
Staining of J774 cells with Rat anti Mouse F4/80 antigen:Biotin



Application Data
Frozen mouse spleen stained with A: Rat anti Mouse F4/80 followed by Goat anti Rat IgG:HRP or B: Rat anti Mouse F4/80 preincubated with 2 molar excess of Human anti Idiotypic (HCA154) followed by Goat anti Rat IgG:HRP



Application Data
Staining of J774 cells with Rat anti Mouse F4/80 antigen:Low Endotoxin

NCBI AND UNIPROT INFORMATION

NCBI GI #	33859546
NCBI GeneID	13733
NCBI Accession #	NP_034260.1
NCBI GenBank Nucleotide #	NM_010130.4
Molecular Weight	102,130 Da
NCBI Official Full Name	EGF-like module-containing mucin-like hormone receptor-like 1
NCBI Official Synonym Full Names	EGF-like module containing, mucin-like, hormone receptor-like sequence 1
NCBI Official Symbol	Emr1
NCBI Official Synonym Symbols	Ly71; F4/80; Gpf480; TM7LN3; DD7A5-7; EGF-TM7
NCBI Protein Information	EGF-like module-containing mucin-like hormone receptor-like 1; EGF-like module receptor 1; EMR1 hormone receptor; cell surface glycoprotein F4/80; lymphocyte antigen 71
UniProt Protein Name	EGF-like module-containing mucin-like hormone receptor-like 1
UniProt Gene Name	Emr1
UniProt Synonym Gene Names	Gpf480
UniProt Entry Name	EMR1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/f4-80-antibody-clone-cl-a3-1-flow-cytometry-elisa/12164>