

anti-Mouse, Rat XCR1 Antibody | anti-XCR1 antibody

Anti-XCR1 [MARX10]

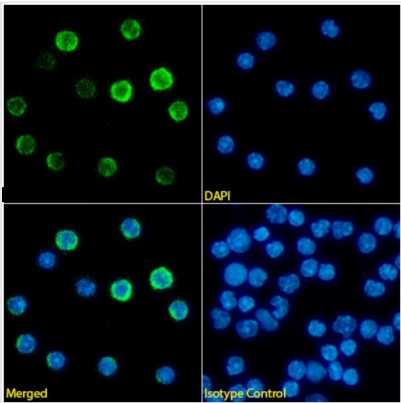
CATALOG # AAA72351	REACTIVITY Mouse, Rat	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry
------------------------------	---------------------------------	---

PRODUCT SYNONYMS

XCR1; Anti-XCR1 [MARX10]; mXCR1; Cxcr1; Chemokine XC receptor 1; Lymphotactin receptor; SCM1 receptor; XC chemokine receptor 1; MARX10; anti-XCR1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat
Isotype	Rabbit IgG kappa
Clone Number	MARX10
Specificity	This antibody binds mouse XCR1, which is a receptor for chemokines SCYC1 and SCYC2 and expressed on 80% of CD8+ the dendritic cells. It transduces a signal by increasing the intracellular calcium ions level. This antibody is also reported to cross-reacts with rat CXR1.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-XCR1 antibody	Invitro Assay, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Immunogen	The original antibody was generated by immunizing B6.XCR1-lacZ mice every 3 weeks (4 times in succession) with 30×10^6 CD11c-enriched cells from C57BL/6 WT mice in combination with heat- inactivated B. pertussis.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



IF (Immunofluorescence)
Immunofluorescence staining of mouse splenocytes with anti-XCR1 antibody MARX10 . Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix™ coverslips stained with the chimeric rabbit IgG version of MARX10 (AAA72351) (1:100 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1000 dilution), showing membrane staining. The nuclear stain is DAPI (blue). Panels show, from left-right, top-bottom, AAA72351, DAPI, merged channels, and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-XCR1 antibody	The original antibody was generated by immunizing B6.XCR1-lacZ mice every 3 weeks (4 times in succession) with 30×10^6 CD11c-enriched cells from C57BL/6 WT mice in combination with heat-inactivated B. pertussis. XCR1 expression determines Batf3-dependent lineage of dendritic cells with a special capacity to cross-present antigen. The paper studies the expression of XCR1 on CD8+ dendritic cells using antibody MARX10 and its role in antigen presentation. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format for improved compatibility with existing reagents assays and techniques.
Product Categories/Family for anti-XCR1 antibody	signal transduction; chemokine binding; calcium-mediated signaling; chemotaxis
References	Bachem et al. Front Immunol. 2012 Jul 18;3:214.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12585214
NCBI GeneID	23832
UniProt Accession #	Q9R0M1
NCBI Official Full Name	Chemokine XC receptor 1
NCBI Official Synonym Full Names	chemokine (C motif) receptor 1
NCBI Official Symbol	Xcr1
NCBI Official Synonym Symbols	Gpr5; mXcr1; Ccxcr1
NCBI Protein Information	chemokine XC receptor 1; SCM1 receptor; lymphotactin receptor; XC chemokine receptor 1; C motif-1/lymphotactin receptor; chemokine (C motif) XC receptor 1
UniProt Protein Name	Chemokine XC receptor 1
UniProt Gene Name	Xcr1
UniProt Synonym Gene Names	Ccxcr1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/mouse-rat-antibody/xcr1/72351>