

Mouse anti-Human MINCLE Monoclonal Antibody | anti-MINCLE antibody

MINCLE antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48083	Mouse	Human	Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

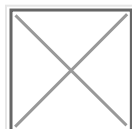
PRODUCT SYNONYMS

MINCLE; Monoclonal Antibody; MINCLE antibody; C-type lectin domain family 4 member E; CLECSF9; C-type lectin superfamily member 9; Macrophage-inducible C-type lectin; CLEC 4E; CLEC4E; anti-MINCLE antibody

PRODUCT SPECIFICATIONS

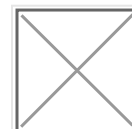
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT16E3
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	219
Applicable Applications for anti-MINCLE antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human MINCLE (41-219aa) purified from E Coli
Clone Note	Anti-human MINCLE mAb, clone AT16E3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human MINCLE protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of human HeLa cells stained with monoclonal anti-human MINCLE antibody (1:500) with Texas Red (Red). Nucleus was stained by Hoechst 33342 (Blue).



IHC (Immunohistochemistry)

Paraffin embedded sections of colorectal cancer tissue were incubated with anti-human MINCLE antibody (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MINCLE antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : 293T cell lysate Lane 2. : MINCLE transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MINCLE antibody	MINCLE (macrophage inducible C-type lectin, also called CLEC4E or CLECSF9), which is a diverse family of protein which was originally defined by their ability to recognize a wide range of ligand of carbohydrate structure. MINCLE expressed in macrophages subjected to several types of stress. It plays an essential role in response to trehalose-6,6'-dimycolate (TDM) and activated by a synthetic analogue, trehalose dibehenate (TDB). Recently it was reported that MINCLE is associated with an immunoreceptor tyrosine-based activation motif-containing Fc receptor gamma chain (FcRgamma) and functions as an activating receptor for damaged self- and non-self-pathogenic fungi.
Product Categories/Family for anti-MINCLE antibody	Immunology
References	Ishikawa E, et al. (2009) J Exp Med, 206 (13):2879-88; Matsunaga I, et al. (2009) J Exp Med, 206 (13):2865-8.; Graham LM, et al. (2009) Cytokine, 48 (1-2):148-55.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657333
NCBI GeneID	26253
NCBI Accession #	NP_055173
NCBI GenBank Nucleotide #	NM_014358.3
UniProt Accession #	Q9ULY5; B2R6Q6
Molecular Weight	25,073 Da
NCBI Official Full Name	C-type lectin domain family 4 member E
NCBI Official Synonym Full Names	C-type lectin domain family 4 member E
NCBI Official Symbol	CLEC4E
NCBI Official Synonym Symbols	MINCLE; CLECSF9
NCBI Protein Information	C-type lectin domain family 4 member E
UniProt Protein Name	C-type lectin domain family 4 member E
UniProt Gene Name	CLEC4E
UniProt Synonym Gene Names	CLECSF9; MINCLE

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/monoclonal/mincle-antibody-clone-at16e3-immunohistochemistry-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48083>