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Product datasheet for AM09361PU-N

CLEC4E Mouse Monoclonal Antibody [Clone ID: AT16E3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT16E3
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	**ELISA.** **Western blot:** 1/250-1/1000. **Immunofluorescence:** 1/250-1/500. **Immunohistochemistry on Paraffin Embedded tissues:** 1/50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant Human MINCLE (41-219aa) purified from E. coli
Specificity:	The antibody recognizes Human CLEC4E (MINCLE). Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	C-type lectin domain family 4 member E
Database Link:	Entrez Gene 26253 Human Q9ULY5

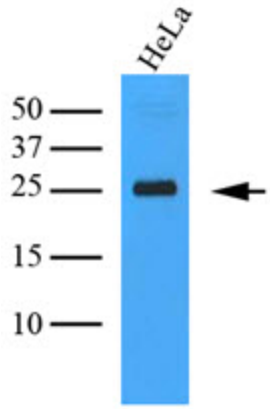
View online »

Background: 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 γ chain (FcRγ) and functions as an activating receptor for damaged self- and non–self-pathogenic fungi.

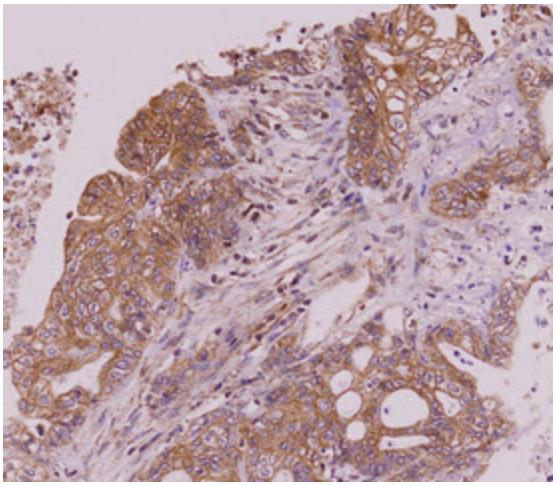
Synonyms: CLECSF9, MINCLE

Protein Families: Druggable Genome, Transmembrane

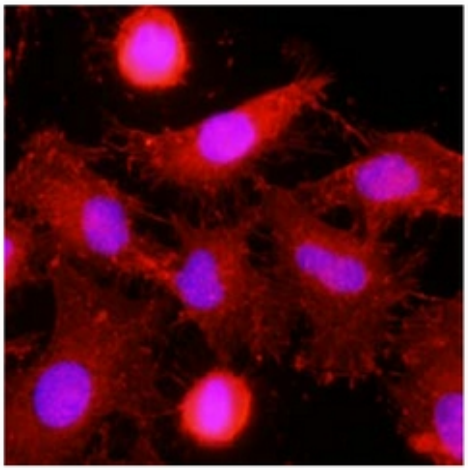
Product images:



Cell lysates of HeLa (35ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human MINCLE (1/1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



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).



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).