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Anti-MICB Reference Antibody (U.Washington patent anti-MICB)

Recombinant Antibody
Catalog # APR10978

Specification

Anti-MICB Reference Antibody (U.Washington patent anti-MICB) - Product Information

Application	**FC, E, FTA**
Primary Accession	Q29980
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2SA**
Calculated MW	**143.66 KDa**

Anti-MICB Reference Antibody (U.Washington patent anti-MICB) - Additional Information

Target/Specificity
MICB

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-MICB Reference Antibody (U.Washington patent anti-MICB) - Protein Information

Name MICB {ECO:0000312|EMBL:CAA62823.1}

Function
Widely expressed membrane-bound protein which acts as a ligand to stimulate an activating receptor KLRK1/NKG2D, expressed on the surface of essentially all human natural killer (NK), gammadelta T and CD8+ alphabeta T-cells (PubMed:11491531, PubMed:11777960). Up-regulated in stressed conditions, such as viral and bacterial infections or DNA damage response, serves as signal of cellular stress, and engagement of KLRK1/NKG2D by MICA triggers NK-cells resulting in a range of immune effector functions, such as cytotoxicity and cytokine production.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q29983}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q29983} Note=Binding to human cytomegalovirus glycoprotein UL16

causes sequestration in the endoplasmic reticulum {ECO:0000250|UniProtKB:Q29983, ECO:0000269|PubMed:12782710}

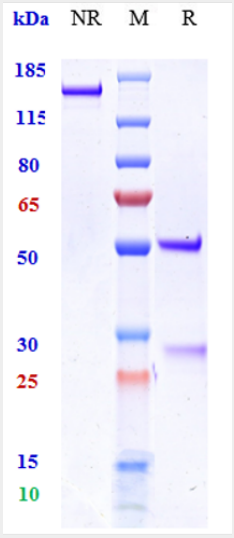
Tissue Location
Widely expressed with the exception of the central nervous system where it is absent. Expressed in many, but not all, epithelial tumors of lung, breast, kidney, ovary, prostate and colon In hepatocellular carcinomas, expressed in tumor cells but not in surrounding non-cancerous tissue.

Anti-MICB Reference Antibody (U.Washington patent anti-MICB) - Protocols

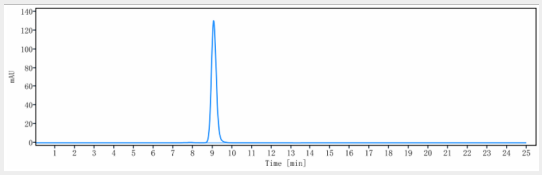
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MICB Reference Antibody (U.Washington patent anti-MICB) - Images



Anti-MICB Reference Antibody (U.Washington patent anti-MICB) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-MICB Reference Antibody (U.Washington patent anti-MICB)is more than 95% ,determined by SEC-HPLC.