

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

Recombinant Antibody  
Catalog # APR10978

## Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">Q29980</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	42575

## Additional Information

Target/Specificity	MICB
Endotoxin 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.

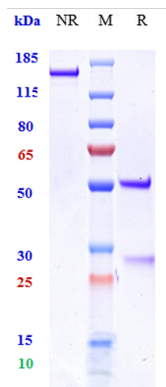
## Protein Information

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: <a href="#">11491531</a> , PubMed: <a href="#">11777960</a> ). 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,

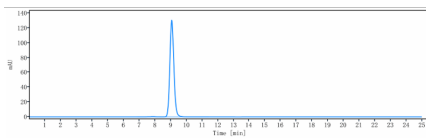
kidney, ovary, prostate and colon In hepatocellular carcinomas, expressed in tumor cells but not in surrounding non-cancerous tissue.

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.