

Anti-MICB Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 40 kDa. Actual: 60 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-MICB Polyclonal Antibody, Unconjugated (TMAB-08810) 1: 200, overnight at 4° C, followed by conjugation to the secondary antibody and DAB staining

2. Sample:

Verified Activity:	Lane 1: Human HeLa cell lysates
	Lane 2: Human U266 cell lysates
	Lane 3: Human Jurkat cell lysates
	Lane 4: Human HUVEC cell lysates
	Primary: Anti-MICB (TMAB-08810) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 40 kDa
	Observed band size: 60 kDa

Application: WB

Recommended WB: 1:500-2000

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human MICB
Antigen Species:	Human
Gene ID:	4277
Uniprot ID:	Q29980

Research Background

This gene encodes a heavily glycosylated protein which is a ligand for the NKG2D type II receptor. Binding of the ligand activates the cytolytic response of natural killer (NK) cells, CD8 alphabeta T cells, and gammadelta T cells which express the receptor. This protein is stress-induced and is similar to MHC class I molecules; however, it does not associate with beta-2-microglobulin or bind peptides.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481