

Anti-HLA E Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 37 kDa. Actual: 35-37 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Blank control: A549. Primary Antibody (green line): Rabbit Anti-HLAE antibody (TMAB-07151) Dilution: 3 µg /10 ⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-PE Dilution: 3 µg /test. Protocol The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.
	2. Sample: K562 Cell (Human) Lysate at 30 µg Primary: Anti-HLA e at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 35 kD
	3. Sample: Raji Cell (Human) Lysate at 30 µg Primary: Anti-HLA e at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD Observed band size: 35 kD
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 3µg/Test

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 HLA E
Antigen Species: Human
Gene ID: 3133
Uniprot ID: P13747

Research Background

HLA-E belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. HLA-E binds a restricted subset of peptides derived from the leader peptides of other class I molecules. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. [provided by RefSeq, Jul 2008]

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