

Anti-CD23 Antibody (3M534)

Product Details

Ig Type:	IgG2b
Reactivity:	Human
Molecular Weight:	Theoretical: 36 kDa.
Clone:	3M534
Purification:	Protein G purified

Applications

Verified Activity:	<p>1. The Daudi (H) cells were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.). Primary Antibody (green): Mouse Anti-CD23 antibody (TMAB-03917): 1 $\mu\text{g}/10^6$ cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-FITC: 1 $\mu\text{g}/\text{test}$. Blank control (black): PBS. Acquisition of 20,000 events was performed.</p> <p>2. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD23 Monoclonal Antibody, Unconjugated (TMAB-03917) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.</p> <p>3. Paraformaldehyde-fixed, paraffin embedded Human Lymph; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD23 Monoclonal Antibody, Unconjugated (TMAB-03917) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.</p> <p>4. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD23 Monoclonal Antibody, Unconjugated (TMAB-03917) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.</p> <p>5. (Negative control) Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD23 Monoclonal Antibody, Unconjugated (TMAB-03917) at 1: 200 overnight at 4°C, followed by conjugation to the AffiniPure Goat Anti-Mouse IgG H&L-HRP and DAB staining.</p>
Application:	IHC-P,IHC-Fr,IF,FCM
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1 $\mu\text{g}/\text{Test}$

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: Recombinant Protein: human CD23
Antigen Species: Human
Gene ID: 2208
Uniprot ID: P06734

Research Background

The protein encoded by this gene is a B-cell specific antigen, and a low-affinity receptor for IgE. It has essential roles in B cell growth and differentiation, and the regulation of IgE production. This protein also exists as a soluble secreted form, then functioning as a potent mitogenic growth factor. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.[provided by RefSeq, Jul 2011]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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