

## Anti-Human CD23 Mouse Monoclonal Antibody

Clone: UMAB101 **REF** RU00081

### Intended use

Anti-human CD23 (Clone: UMAB101) Mouse Monoclonal Primary Antibody is intended for research use only. Not for use in diagnostic procedures. Not for human or animal consumption.

### Background

CD23 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]

Alternative names: FCE2; CD23A; IGEBF; CLEC4J; BLAST-2

### Reagent provided

Anti-human CD23 Mouse Monoclonal Primary Antibody (Clone: UMAB101) is provided in liquid form in 20mM Sodium phosphate, 150mM Sodium chloride, 0.2% BSA, 0.09% Sodium azide, pH 7.4. The isotype of the antibody is IgG2a, k. The protein concentration is approximately 0.4 +/- 0.05 mg/mL.

For immunohistochemistry, the primary antibody may be used at a working dilution of 1:100 – 1:200 for formalin-fixed, paraffin-embedded human tissue. It can be dependent upon the detection system used. These are guidelines only, and optimal dilutions should be determined by the individual laboratory.

### Immunogen

Human recombinant protein fragment corresponding to amino acids 48-321 of human FCER2 (NP\_001993) was produced in SF9 Cell.

### Specificity

The specificity of the anti-human CD23 Mouse Monoclonal Primary Antibody was established on known positive spleen. The anti-human CD23 presented no staining on formalin fixed human heart and positive staining on formalin fixed human spleen using immunohistochemical (IHC) test methods.

### Precautions

1. This product contains sodium azide (NaN<sub>3</sub>), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, NaN<sub>3</sub> may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
2. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
3. Unused reagents should be disposed of according to local, State, and Federal regulations.
4. Suitability for specific application may vary and it is the responsibility of the end user to determine the appropriate application for use and stability.

### Storage

Store at 2-8°C. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

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