

# Monoclonal Antibody Anti- $\beta$ 2-microglobulin

PN IM0114 – Purified – Freeze-dried – 0.2 mg – Clone B1G6

For Research Use Only. Not for use in diagnostic procedures.

## SPECIFICITY

The B1G6 monoclonal antibody is specific for human  $\beta$ 2-microglobulin (12 kDa molecular weight). It does not react with  $\beta$ 2-microglobulin from other species. It recognizes the  $\beta$ 2-microglobulin, free or associated with human HLA class I molecules.

## REAGENT

Monoclonal Antibody Anti- $\beta$ 2-microglobulin

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**CLONE** B1G6

**ISOTYPE** IgG2a  $\kappa$ , mouse

**IMMUNOGEN** Purified human  $\beta$ 2-microglobulin

**HYBRIDOMA** NS1/Ag.4.1 x Balb/c spleen cells

**Source** Ascites fluid

**Purification** Protein A affinity chromatography

**Buffer** 1 mg/mL bovine serum albumin in phosphate-buffered saline

## APPLICATION

Flow cytometry.

Detection of  $\beta$ 2-microglobulin in serum and in cerebrospinal fluid.

Purification of HLA antigens associated with  $\beta$ 2 microglobulin.

## STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed

of with proper precautions.

2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes
3. Do not use antibody beyond the expiration date on the label.
4. Do not expose reagents to strong light during storage or incubation.
5. Avoid microbial contamination of reagents or incorrect results might occur.

## STORAGE CONDITIONS AND STABILITY

This freeze-dried form may be stored at 2–8°C until the expiration date stated on the vial label.

No preservative has been added.

## REAGENT PREPARATION

Depending of usage, reconstitute with 1 mL of distilled water, with or without 0.1% sodium azide (w/v).

The reconstituted form including 0.1% sodium azide may be stored for up to one month at 2–8°C.

The reconstituted form without sodium azide can be stored at –20°C or less, until the expiration date stated on the vial label.

In this case, aliquotting is recommended to avoid multiple freezing / thawing cycles.

## PROCEDURE

For each application, it is recommended to establish the right range of antibody dilutions to be used for the experiment.

## SELECTED RESEARCH REFERENCES

1. Liabeuf, A., Le Borgne De Kaouel, C., Kourilsky, F., Malissen, B., Manuel, Y., & Sanderson, A.R., "An antigenic determinant of human  $\beta$ 2 microglobulin masked by the association with HLA heavy chains at the cell surface: analysis using monoclonal antibodies". 1981, J. Immunol., 127, 1542-1548.

## PRODUCT AVAILABILITY

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## TRADEMARKS

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