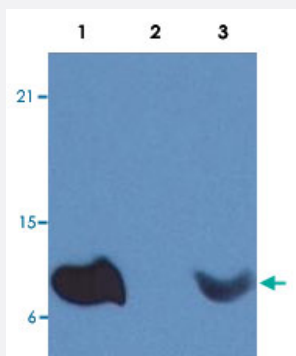


B2M monoclonal antibody, clone B2M-01 (PE)

Catalog # MAB6503 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blotting analysis (non-reducing conditions) of whole cell lysate of various cell lines using B2M monoclonal antibody, clone B2M-01 (Cat # MAB0899).

Lane 1 : RAJI (human Burkitt lymphoma cell line).

Lane 2 : EL4 (mouse lymphoblastic lymphoma cell line).

Lane 3 : U937 (human histiocytic lymphoma cell line).

Specification

Product Description	Mouse monoclonal antibody raised against B2M.
Immunogen	Purified isolated human B2M.
Host	Mouse
Theoretical MW (kDa)	12
Reactivity	Human
Specificity	This antibody reacts with beta2-microglobulin (B2M) associated with cell-surface MHC Class I molecules and other membrane antigens as well as with soluble beta2-microglobulin.
Form	Liquid
Conjugation	PE
Concentration	0.1 mg/mL
Isotype	IgG2a
Recommend Usage	The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Enzyme-linked Immunoabsorbent Assay

- Radioimmunoassay

- Flow Cytometry

Gene Info — B2M

Entrez GeneID	567
Gene Name	B2M
Gene Alias	-
Gene Description	beta-2-microglobulin
Omim ID	109700 241600
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia

Other Designations

beta chain of MHC class I molecules|beta-2-microglobin

Pathway

- [Antigen processing and presentation](#)

Disease

- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease](#)
- [Edema](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Osteoarthritis](#)
- [Parkinson disease](#)
- [Stomach Neoplasms](#)