

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 30-1141: Anti-beta2-Microglobulin Monoclonal Antibody (Clone:B2M-01)

Clonality: Monoclonal **Clone Name:** B2M-01 **FACS** Application: Reactivity: Human Gene: B<sub>2</sub>M Gene ID: 567 **Uniprot ID:** P61769 Format: Purified

Alternative Name: B2M,CDABP0092,HDCMA22P

**Isotype:** Mouse IgG2a

Immunogen Information: Purified human beta2-microglobulin

## **Description**

Beta2-microglobulin non-covalently associates with the 44 kDa alpha chain to forms the HLA Class I antigen complex. Human beta2-microglobulin associated with HLA Class I antigens is expressed on many types of cells including lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells, and epithelial cells. It is absent on erythrocytes.

## **Product Info**

Amount: 0.1 mg

**Purification :** Purified by precipitation methods **Storage condition :** Store at 2-8°C. Do not freeze.

## **Application Note**

Western blotting: Recommended dilution: 2-4  $\mu$ g/ml; positive control: U937 human histiocytic lymphoma cell line, RAJI human Burkitt lymphoma cell line, negative control: EL4 mouse lymphoblastic lymphoma cell line; both reducing and non-reducing conditions. <br/>
br>Immunohistochemistry (paraffin sections): Recommended dilution: 10  $\mu$ g/ml; positive tissue: kidney glomeruli. <br/>
br>Flow cytometry: Recommended dilution: 0.5-4  $\mu$ g/ml; positive control: peripheral blood lymphocytes, negative control: DAUDI human Burkitt lymphoma cell line, erythrocytes. <br/>
br>ELISA: Working dilution should be determinated by investigator. <br/>
br>RIA: Use at an assay dependent concentration. The dissociation constant of the antibody soluble beta2-microglobulin is 1.5 x 10<sup>-8</sup> mol/l as determined by competitive RIA. <br/>
br>Immunoprecipitation: The antibody B2M-01 coprecipitates beta2-microglobulin (12 kDa) and HLA antigens (45 kDa) from the lysates of human lymphoid cells.



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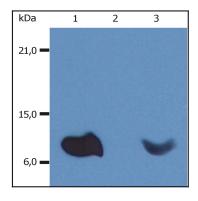


Fig. 1: Western Blotting analysis (non-reducing conditions) of whole cell lysate of various cell lines using anti-human beta2-microglobulin (B2M-01). Lane 1: RAJI human Burkitt lymphoma cell line. Lane 2: EL4 mouse lymphoblastic lymphoma cell line. Lane 3: U937 human histiocytic lymphoma cell line