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- Mindermengenzuschlag
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Delivering You Today's Innovations for
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Biotin Mouse Anti-Human beta2-Microglobulin Monoclonal Antibody

CLX85B

Lot:

Size: 0.1 mg

Clone: B2M-01

Isotype: Mouse IgG2a

Specificity: The antibody B2M-01 reacts with beta2-microglobulin (β 2M) associated with cell-surface

MHC Class I molecules and other membrane antigens as well as with soluble beta2-microglobulin. β 2M is a 12 kDa Ig-like glycoprotein expressed on lymphocytes, thymocytes, monocytes, granulocytes, platelets, endothelial cells and epithelial cells. It is absent on erythrocytes.

Immunogen: Purified human beta2-microglobulin.

Species Reactivity: Human

Negative Species: Mouse, Bovine, Canine (Dog), Rabbit, Chicken

Preparation: The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Usage: Biotinylated antibody is designed for indirect immunofluorescence analysis by Flow Cytometry. Suggested working dilution is 1:200. Indicated dilution is recommended starting point for use of this product. Working concentrations should be determined by the investigator.

Background: **Beta2-microglobulin** non-covalently associates with the 44 kDa alpha chain to form 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.

Continued...

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References:

*Hilgert I, Horejsi V, Kristofova H.: The use of murine monoclonal antibody B2M-01 for detection and purification of human beta 2-microglobulin. Folia Biol (Praha). 1984;30(6):369-76.

*Khurana M, Traum AZ, Aivado M, Wells MP, Guerrero M, Grall F, Libermann TA, Schachter AD.: Urine proteomic profiling of pediatric nephrotic syndrome. Pediatr Nephrol. 2006 Sep;21(9):1257-65. Epub 2006 Jun 30.

This product is made available in collaboration with Exbio Praha, a.s.

Laboratory Reagent For Research Use Only

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