

Rabbit anti-Mouse Beta-2 microglobulin Polyclonal Antibody

Anti-Beta-2 microglobulin Antibody, Rabbit Polyclonal

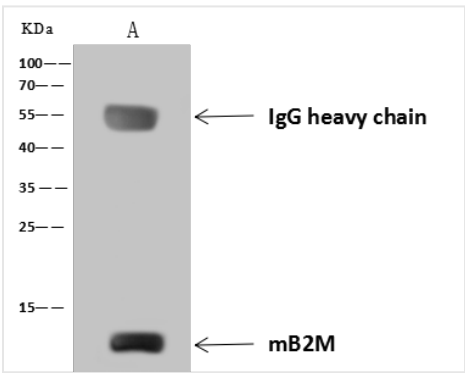
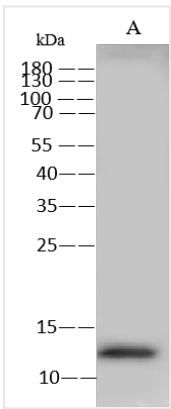
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259138	Rabbit	Mouse	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

Beta-2 microglobulin; Polyclonal Antibody; Anti-Beta-2 microglobulin Antibody; Rabbit Polyclonal; beta-2 microglobulin; Anti-beta2-m Antibody; Anti-beta2m Antibody; Anti-Ly-m11 Antibody; anti-Beta-2 microglobulin antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Beta-2 microglobulin
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Beta-2 microglobulin antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse Beta-2 microglobulin Protein
Preparation	Produced in rabbits immunized with purified, recombinant Mouse Beta-2 microglobulin (rM Beta-2 microglobulin). Beta-2 microglobulin specific IgG was purified by Mouse Beta-2 microglobulin affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
mB2M was immunoprecipitated using: Lane A: 0.5 mg NIH/3T3 Whole Cell Lysate 4 uL anti-mB2M rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-mB2M rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 14 kDa. Observed band size: 14 kDa.

WB (Western Blot)
Anti-Beta-2 microglobulin rabbit polyclonal antibody at 1:500 dilution. Lane A: NIH/3T3 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 14 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Beta-2 microglobulin antibody	B2M, also known as beta2-Microglobulin or CDABP0092, is a component of MHC class I molecules found expression in all nucleated cells (excludes red blood cells). The major function of MHC class I molecules is to display fragments of proteins from within the cell to T-cells and cells containing foreign proteins will be attacked. B2M (beta2-Microglobulin) is a low molecular weight protein. It was demonstrated that B2M (beta2-Microglobulin) was localized in the membranes of nucleated cells and was found to be associated with HL-A antigens. B2M (beta2-Microglobulin) is present in free form in various body fluids and as a subunit of histocompatibility antigens on cell surfaces lateral to the alpha3 chain. Unlike alpha3, beta2 has no transmembrane region. Directly above beta2 lies the alpha1 chain, which itself is lateral to the alpha2. In the absence of B2M (beta2 microglobulin), very limited amounts of MHC class I (classical and non-classical) molecules can be detected on the surface. In the absence of MHC class I, CD8 T cells, a subset of T cells involved in the development of acquired immunity cannot develop. Low levels of B2M (beta2 microglobulin) can indicate non-progression of HIV.
References	Poulik MD, et al. (1979) Beta 2-Microglobulin: methods and clinical applications. CRC Crit Rev Clin Lab Sci. 10(3): 225-45. Poulik MD, et al. (1975) Beta2-Microglobulins. Contemp Top Mol Immunol. 4: 157-204. Berggard I. (1976) Beta2-Microglobulins: isolation, properties, and distribution. Fed Proc. 35(5): 1167-70.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.