

**Rabbit Anti-Beta-2-Microglobulin [MD24R]: RM0327**

**Intended Use:** For Research Use Only

**Description:** Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. Defects in B2M are the cause of hypercatabolic hypoproteinemia (HYCATHYP) [MIM:241600]. Affected individuals show marked reduction in serum concentrations of immunoglobulin and albumin, probably due to rapid degradation. Note=Beta-2-microglobulin may adopt the fibrillar configuration of amyloid in certain pathologic states. The capacity to assemble into amyloid fibrils is concentration dependent. Persistently high beta(2)-microglobulin serum levels lead to amyloidosis in patients on long-term hemodialysis.

**Specifications:**

Clone: MD24R  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human  
Localization: Secreted, detected in serum and urine  
Formulation: Antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC, IF, IP, WB  
Package:

Description	Catalog No.	Size
Beta-2-Microglobulin Concentrated	RM0327	1 ml

**IHC Procedure\*:**

Positive Control Tissue: B-cell lymphoma / amyloid  
Concentrated Dilution: 200-300  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual  
\* Result should be confirmed by an established diagnostic procedure.