SONY

Product Data Sheet

HRP anti-human β2-microglobulin

Catalog # / Size:	2001515 / 50 µg
Clone:	2M2
Isotype:	Mouse IgG1, κ
Immunogen:	Purified human β2-microglobulin
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with HRP under optimal conditions.
Formulation:	This antibody is provided in 50% glycerol in aqueous buffered solutions with preservatives.
Concentration:	0.5

Applications:

Applications:	Other
Recommended Usage:	Dilute 18 microL of HRP anti-human β2-microglobulin antibody in 12 ml of assay dilution buffer. This is sufficient for one 96 well plate.
Application Notes:	Additional reported applications (for the relevant formats) include: Western blotting, and ELISA.
Application References:	1. Meissner TB, *et al.* 2010. *Proc Natl Acad Sci USA.* PubMed 2. Rizvi SM, *et al.* 2011. *J. Immunol.* 186:2309. PubMed 3. Meissner TB, *et al.* 2012. *J Immunol.* 188:4951. PubMed.

Description:	β2-microglobulin (β2M) is a 12 kD nonpolymorphic Ig like protein. It is a non-membrane-anchored glycoprotein and is noncovalently associated with 39-44 kD polymorphic heavy chains of MHC class I molecules to form HLA class I antigen complex. In association with HLA class I, β2M is expressed on all leukocytes, platelets, endothelial cells, and epithelial cells. β2M plays an essential role both in governing MHC class I molecules stability and in promoting antigen binding and presenting the antigen to CD3/TCR complex of $CD8^+$ T cells.
Antigen References:	1. Engelhard VH. 1994. *Curr. Opin. Immunol.* 6:13. 2. Williams DB, *et al.* 1989. *J. Immunol.* 142:2796. 3. Danliczyk UG and TL. Delovitch. 1994. *J. Immunol.* 153:3533. 4. Williams A, *et al.* 2002.