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B2M / Beta 2 Microglobulin Antibody
Mouse Monoclonal Antibody
Catalog # ALS12591

Specification

B2M / Beta 2 Microglobulin Antibody - Product Information

Application	**IHC**
Primary Accession	P61769
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**14kDa KDa**

B2M / Beta 2 Microglobulin Antibody - Additional Information

Gene ID 567

Other Names
Beta-2-microglobulin, Beta-2-microglobulin form pI 5.3, B2M

Target/Specificity
Recognizes human beta-2 microglobulin.

Reconstitution & Storage
+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
B2M / Beta 2 Microglobulin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

B2M / Beta 2 Microglobulin Antibody - Protein Information

Name B2M (HGNC:914)

Function
Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system. Exogenously applied M.tuberculosis EsxA or EsxA-EsxB (or EsxA expressed in host) binds B2M and decreases its export to the cell surface (total protein levels do not change), probably leading to defects in class I antigen presentation (PubMed:25356553).

Cellular Location
Secreted. Cell surface. Note=Detected in serum and urine (PubMed:1336137, PubMed:7554280). {ECO:0000269|PubMed:7554280, ECO:0000269|Ref.6}

Volume
50 µl

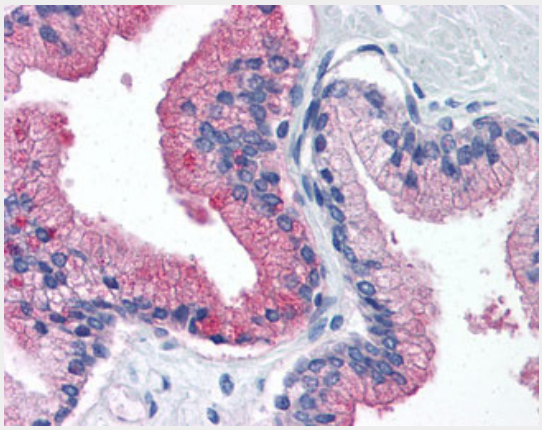
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B2M / Beta 2 Microglobulin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

B2M / Beta 2 Microglobulin Antibody - Images



Anti-B2M antibody IHC of human prostate.

B2M / Beta 2 Microglobulin Antibody - Background

Component of the class I major histocompatibility complex (MHC). Involved in the presentation of peptide antigens to the immune system.

B2M / Beta 2 Microglobulin Antibody - References

Guessow D.,et al.J. Immunol. 139:3132-3138(1987).
He X.H.,et al.Sheng Wu Gong Cheng Xue Bao 20:99-103(2004).
Matsumoto K.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
Tan J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Zhao Z.,et al.Submitted (JUN-1998) to the EMBL/GenBank/DDBJ databases.