



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## HLA-DMB monoclonal antibody (M01), clone 6B3

Catalog # : H00003109-M01

規格 : [ 100 ug ]

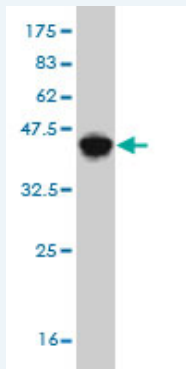
List All

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant HLA-DMB.
<b>Immunogen:</b>	HLA-DMB (NP_002109, 22 a.a. ~ 129 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	VAHVESTCLLDDAGTPKDFTYICISFNKDLLTCWDPEENKMAPCEFGVLN SLANVLSQHLNQGKDTLMQRLRNGLQNCATHTQPFWGSLTNRTRPPSVQ VAKTTPFNTRE
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2b Kappa

**Quality Control** Antibody Reactive Against Recombinant Protein.

**Testing:**



Western Blot detection against Immunogen (37.62 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Publication Reference

- [EXTRACELLULAR AND MEMBRANE-ASSOCIATED PROSTATE CANCER MARKERS](#)  
Klee, George G. ;Vasmatzis, George;Kosari, Farhad;Klee, Eric W.FreshPatents.com
- [Increased HLA-DMB Expression in the Tumor Epithelium Is Associated with Increased CTL Infiltration and Improved Prognosis in Advanced-Stage Serous Ovarian Cancer.](#)  
Callahan MJ, Nagymanyoki Z, Bonome T, Johnson ME, Litkouhi B, Sullivan EH, Hirsch MS, Matulonis UA, Liu J, Birrer MJ, Berkowitz RS, Mok SC.Clin Cancer Res. 2008 Dec 1;14(23):7667-73.

### Applications

### Application Image

Western Blot (Recombinant protein)

ELISA

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**ELISA**

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**Gene Information**

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**Entrez GeneID:** [3109](#)**GeneBank** [NM\\_002118](#)**Accession#:****Protein** [NP\\_002109](#)**Accession#:****Gene Name:** HLA-DMB**Gene Alias:** D6S221E,RING7**Gene Description:** major histocompatibility complex, class II, DM beta**Omim ID:** [142856](#)**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** HLA-DMB belongs to the HLA class II beta chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta (DMB) chain, both anchored in the membrane. It is located in intracellular vesicles. DM plays a central role in the peptide loading of MHC class II molecules by helping to release the CLIP (class II-associated invariant chain peptide) molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The beta chain is approximately 26-28 kDa and its gene contains 6 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and exon 5 encodes the cytoplasmic tail. [provided by RefSeq]

**Other Designations:** MHC class II HLA-DMB, MHC class II antigen HLA-DM beta chain, OTTHUMP00000029257, class II histocompatibility antigen, M beta chain

**Gene Pathway**

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[Allograft rejection](#) [Antigen processing and presentation](#) [Asthma](#)  
[Autoimmune thyroid disease](#) [Cell adhesion molecules \(CAMs\)](#) [Graft-versus-host disease](#)  
[Systemic lupus erythematosus](#) [Type I diabetes mellitus](#)

**Related Disease**

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[Antiphospholipid Syndrome](#) [Arthritis, Rheumatoid](#) [Cardiovascular Diseases](#)  
[Condylomata Acuminata](#) [Dermatitis, Contact](#) [Dermatitis, Occupational](#)  
[Diabetes Mellitus, Type 2](#) [Disease Progression](#) [Edema](#) [Genetic Predisposition to Disease](#)  
[Lupus Erythematosus, Systemic](#) [Measles](#) [Psoriasis](#)