

## Product datasheet for **TA343137**

### HLA DM (HLA-DMA) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HLA-DMA antibody: synthetic peptide directed towards the N terminal of human HLA-DMA. Synthetic peptide located within the following region: GLSEAYDEDQLFFDFSQNTRVPRLPPEFADWAQEQGDAPAILFDKEFCEW
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	29 kDa
Gene Name:	major histocompatibility complex, class II, DM alpha
Database Link:	<a href="#">NP_006111</a> <a href="#">Entrez Gene 3108 Human</a>
Background:	HLA-DMA belongs to the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha (DMA) and a beta chain (DMB), 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 molecule from the peptide binding site. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, exon 4 encodes the transmembrane domain and the cytoplasmic tail.



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<b>Synonyms:</b>	D6S222E; DMA; HLADM; RING6
<b>Note:</b>	Immunogen Sequence Homology: Human: 100%; Rat: 86%; Rabbit: 82%; Dog
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	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, Viral myocarditis

**Product images:**

WB Suggested Anti-HLA-DMA Antibody; Titration:  
1.0 ug/ml; Positive Control: MCF7 Whole Cell