

HLA-DMA Protein, Human (His)

Cat. No.:	HY-P71463
Synonyms:	HLA-DMA protein
Species:	Human
Source:	E. coli
Accession:	Q6ICR9 (27V-233C)
Gene ID:	3108
Molecular Weight:	Approximately 27.4 kDa

PROPERTIES

AA Sequence	<p>V P E A P T P M W P D D L Q N H T F L H T V Y C Q D G S P S V G L S E A Y D E D</p> <p>Q L F F F D F S Q N T R V P R L P E F A D W A Q E Q G D A P A I L F D K E F C E</p> <p>W M I Q Q I G P K L D G K I P V S R G F P I A E V F T L K P L E F G K P N T L V</p> <p>C F V S N L F P P M L T V N W Q H H S V P V E G F G P T F V S A V D G L S F Q A</p> <p>F S Y L N F T P E P S D I F S C I V T H E I D R Y T A I A Y W V P R N A L P S D</p> <p>L L E N V L C</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>The HLA-DMA Protein is an essential member of the MHC class II family, playing a crucial role in antigen presentation and immune response regulation. As part of this family, HLA-DMA is involved in the loading and exchange of peptides within the MHC class II antigen-binding groove. Recognized for its significance in the immune system, the HLA-DMA protein contributes to the activation of CD4⁺ T helper cells by presenting antigens derived from extracellular pathogens. Through its association with the MHC class II family, HLA-DMA underscores its integral role in facilitating adaptive immune responses and enhancing our understanding of immune system dynamics in health and disease.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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