

Redefining Immunity

Breakthroughs in MHC Complexes

Major Histocompatibility Complex (MHC) is a vital protein complex that binds peptide fragments and presents them to T cells, initiating immune responses. MHC molecules are classified into three categories—Class I, Class II, and Class III—with Class I and Class II being central to antigen presentation. Their interaction with the highly specific T cell receptors (TCR) allows precise recognition of MHC-peptide complexes, which is essential for effective immune responses and antiviral defense.

Abinscience, a pioneer in biotechnology innovation, is committed to advancing antibody therapeutics and immunological research. By leveraging cutting-edge AI-based platforms for designing native protein structures and employing sophisticated eukaryotic protein expression systems, Abinscience has developed a range of high-bioactivity MHC complexes with native structures. These groundbreaking innovations offer powerful tools for advancing immunological studies and accelerating therapeutic development.

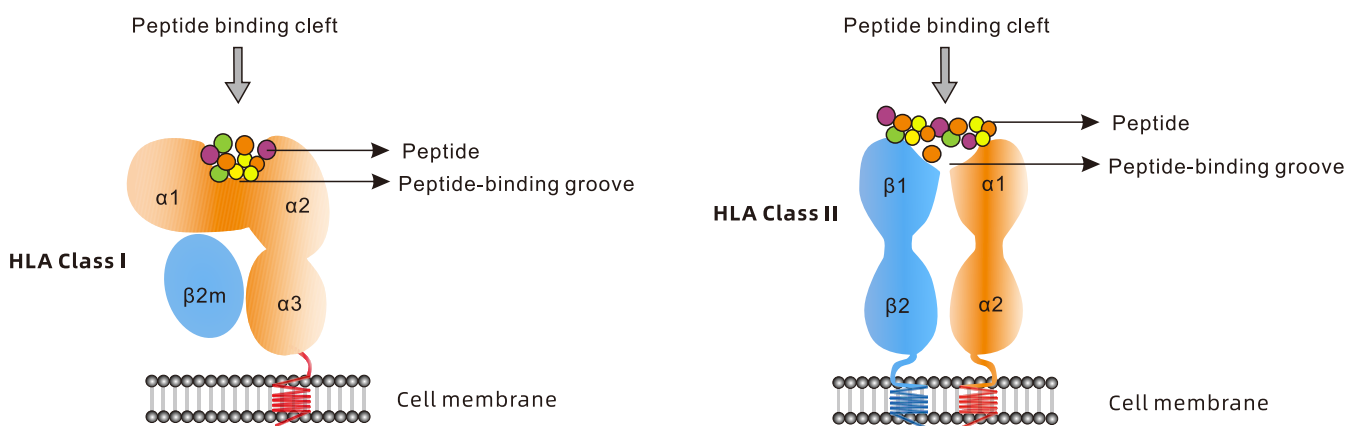


Fig.1 Structure of HLA molecules

Protein	
Catalog No.	Product Name
HM827012	Recombinant Human HLA-DQA1 Protein, N-His
HM821012	Recombinant Human HLA-DR10 Protein, N-His
HM834012	Recombinant Human HLA-A Protein, N-His
HM834022	Recombinant Human HLA-A Protein, N-His
HM825012	Recombinant Human HLA-E Protein, C-strep
HM831012	Recombinant Human HLA-F Protein, N-His
Antibody	
Catalog No.	Product Name
HM812117	Anti-Human HLA-DRA Antibody (1D09C3), FITC
HM812127	Anti-Human HLA-DRA Antibody (1D09C3), PE
HM812137	Anti-Human HLA-DRA Antibody (1D09C3), APC
HM826127	Anti-Human HLA-DR Monomorphic Antibody (L243), PE
HM826137	Anti-Human HLA-DR Monomorphic Antibody (L243), APC
HM837013	Anti-Human HLA-DRB1 Antibody (MP12)
HM837023	Anti-Human HLA-DRB1 Antibody (1D10)
HM837033	Anti-Human HLA-DRB1 Antibody (S1TA3)
HM817013	Anti-Human HLA-DQB1 Antibody (MP1)
HM817023	Anti-Human HLA-DQB1 Antibody (LG11)
HM833013	Anti-Human HLA-A2 Antibody (3PF12)
HM833023	Anti-Human HLA-A2 Antibody (3PC4)
HM833033	Anti-Human HLA-A2 Antibody (3PB2)
HM818013	Anti-Human HLA-A3 Antibody (MP9)
HM823013	Anti-Human HLA-A30 Antibody (MP6)
HM834107	Anti-Human HLA-A,B,C Antibody (W6/32)

All products are for research use only



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