Recommended use

U-Load MHC II is a peptide loadable MHC II monomer. U-Load MHC II can be used to generate MHC-peptide monomers with your own peptide of choice.
The MHC-peptide monomers can be dextramerized with U-load Dextramer® or U-load dCODE Dextramer® to make U-Load Dextramer® MHC II or U-Load dCODE Dextramer® MHC II reagents for analysis of antigen-specific $CD4^+$ T cells by flow cytometry, PCR/NGS, or single cell multi-omics analysis.

For research use only. Not for use in diagnostic or therapeutic procedures.

Reagents provided

- U-Load MHC II: 16.6 µM peptide-loadable MHC II monomer consisting of peptide receptive, biotinylated MHC II monomer provided in PBS, 15 mM NaN_3. Each U-Load MHC II is uniquely identified by the allele, e.g., U-Load MHC II HLA-DRB1*0101.
- U-Load MHC II Loading Buffer: Phosphate Buffer, pH 5.9.
- U-Load MHC II Peptide Loading Component: Lyophilized peptide loading reagent.

Sizes

	Content		
Tests	**U-Load MHC II**	**U-Load MHC II Loading Buffer**	**U-Load MHC II Peptide Loading Component**
20	1 vial (25 µL)	1 vial (1 mL)	1 vial (5 mg)
50	1 vial (75 µL)	1 vial (1 mL)	1 vial (5 mg)
150	1 vial (250 µL)	1 vial (1 mL)	1 vial (5 mg)

Storage

Store at -80°C. Avoid repeat freeze-thaw cycles.

Precautions

Contains sodium azide (NaN_3), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper, plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
As with any product derived from biological sources, proper handling procedures should be used.
For professional users.

Recommended protocols

See "Protocol for Preparation of MHC II-peptide monomer and fluorescent U-Load Dextramer® MHC II" and "General staining procedure MHC Dextramer – PBMC's" (www.immudex.com/resources/protocols/).

Symbols

See www.immudex.com/symbols

Technical support

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Manufacturer

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