PROIMMUNE
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PRODUCT SHEET

ProM1™ MHC Class I Monomer

- M1X-
- Mnnn-1X-

ProM1™ MHC Class I Monomer (Biotin-labeled):	MHC Class I-peptide complexes bind to CD8+ T cell receptors of a particular specificity, as determined by the MHC allele and peptide combination. In addition to their use (as streptavidin-conjugated MHC tetramers) in the identification of specific CD8+ T cells by flow cytometry, biotin-labeled MHC Class I monomers can be used to isolate (or deplete) antigen specific CD8+ T-cells through the use of streptavidin-coated magnetic microbeads. Isolation of antigen-specific T cells in this manner is useful if viable cells are needed for downstream applications. Biotin-labeled MHC Class I monomers can also be immobilised on streptavidin-coated surfaces for use in plate based assays such as ELISA. **For Research Use Only. Not for use in therapeutic or diagnostic procedures**.
Test size:	ProM1™ Monomers are provided in 35 µg and 100 µg sizes
Concentration/ Formulation:	ProM1™ Monomers are supplied at a concentration of approximately 0.4 mg/mL in PBS, stabilized with 1% BSA and 0.025% sodium azide.
Storage Condition:	Use liquid nitrogen to flash-freeze upon receipt and store at -80 ºC. **Avoid freeze-thaw cycles.**
Shelf Life:	The monomer is stable for 12 months if stored as instructed above.
Hazards:	This reagent is formulated in 0.025% sodium azide. Under acidic conditions the toxic compound hydrazoic acid may be released. Compounds containing sodium azide should be flushed with running water while being discarded.

Quality Control Assay Results

Appearance: Colorless solution

Protein Characterization: Passed

Released by:
(Date as per product label above)

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