

## General assembling procedure for MHC Klickmer

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As for all other protocols involving light-sensitive fluorochromes, handling of MHC Klickmers carrying fluorochromes should be carried out shielded from light.

### Introduction:

Below the protocol for assembling the biotinylated molecule with the Klickmer is shown. Up to a ten-fold molar excess of biotinylated molecule may be coupled to the Klickmer.

The biotinylated molecule should be prepared in an aqueous buffer of pH 7,0-7,5 and be free of excess biotin.

### Protocol:

1. Mix the Klickmer Stock solution with the biotinylated molecule.
2. Add 1 volume of Assembly Buffer.
3. Incubate at room temperature for 1 hour.
4. Store assembled Klickmer at 2-8°C until use.

### Notes:

- Always keep MHC Klickmer stored at 2-8°C in the dark – the brown plastic vial does not sufficiently protect the reagents against light.
- If you are already a Dextramer-user, you may use the following as a reference point for the assembling reaction: Immudex's MHC Dextramer products are provided at a concentration of 32 nM. Thus, if the Klickmer stock (64 nM) is diluted 2-fold during the assembling reaction, the assembled Klickmer will have the same concentration as an MHC Dextramer. 500 µL of the 32 nM assembled Klickmer is appropriate for the staining of antigen-specific T cells in 5 mL whole blood.
- Please also see [www.immudex.com](http://www.immudex.com) for staining procedures and "Tips and Tricks".

**MHC Dextramer Reagents are for research use only. Not for use in diagnostic procedures.**