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1. Description

This product is for research use only.

Components

Oligo Adapters Maleimide	Order no.
Oligo Adapter Maleimide, Seq ID BF	130-137-281
Oligo Adapter Maleimide, Seq ID 01	130-137-279

Product format	Lyophilized, 10 nmol
5'-Modification	Maleimide
Storage	Store product at -20°C . After reconstitution, store aliquots at -20°C . The expiration date is indicated on the label. Protect from light.
Reconstitution	Reconstitute lyophilized Oligo Adapter Maleimide with 100 μL of nuclease-free water for 100 μM stock solution.

1.1 Background information

The Oligo Adapters Maleimide are designed for the conjugation to proteins using the Oligonucleotide Conjugation kit, ThioLink (# 130-139-065). The sequences of the Oligo Adapters are mutually orthogonal, allowing the simultaneous use in multiplexing applications without cross-functional interference. The labeled protein can be immobilized on the biosensor chips used in the MACS® Matchmaker focal molography instrument to perform biomolecular interaction analyses.

1.2 Principle of Oligo Adapter Maleimide

The oligos are functionalized with a 5'-terminal Maleimide group, allowing the site-specific conjugation to accessible thiol ($-\text{SH}$) groups on proteins.

Protocol

- ▲ For a detailed protocol refer to the Oligonucleotide Conjugation Kit, ThioLink data sheet (# 130-139-065).
- ▲ Refer to the user manual for instructions on how to use the MACS Matchmaker instrument.

2.1 Preparation of stock solution

A working concentration of 100 μM is recommended for protein conjugation using the Oligonucleotide Conjugation Kit, ThioLink (# 130-139-065).

1. Reconstitute the entire vial contents by adding 100 μL of nuclease-free water.
2. Prepare appropriate aliquots and store at -20°C . Avoid repeated freeze-thaw cycles.

Refer to www.miltenyibiotec.com for all data sheets and protocols. Miltenyi Biotec provides technical support worldwide. Visit www.miltenyibiotec.com/local to find your nearest Miltenyi Biotec contact.

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