



Opto[®] Antigen Presenting Beads Kit, HLA*02:01

PRODUCT INSERT

Purpose

The Opto[®] Antigen Presenting Beads Kit, HLA*02:01 (750-01002) consists of all reagents required to measure peptide-HLA binding and stability, and stimulate and expand antigen-specific T cells. The kit supports the expansion of up to 7.5×10^7 T cells.

Kit Contents

NOTE: Kit components cannot be purchased separately.

Table 1. Box 1 (750-01100) components to be stored at 4°C

Components	Part Number	Volume/Unit	Uses/Unit
Antibody-coated Beads	520-02000	1.5 mL	1
Switchable pHLA*02:01	520-02001	15 µL	1
PE Switchable Tetramer (HLA*02:01)	520-02002	1.3 mL	1
APC Anti-HLA Antibody (HLA*02:01)	520-02004	20 µL	1
Assay Buffer	520-02005	30 mL	1

Table 2. Box 2 (750-01101) components to be stored at 4°C

Components	Part Number	Volume/Unit	Uses/Unit
Exchange Catalyst (HLA*02:01)	520-02003	15 µL	1
Control Peptide (HLA*02:01)	520-02006	15 µL	1

FOR RESEARCH USE ONLY. Not for use in diagnostic procedures.

Instructions for Use

Instructions for use and handling can be found in the following documentation on the [Support Portal](#):

- *Opto® Antigen Presenting Beads Kit, HLA*02:01 Protocol* (MAN-08094).

Safety

Use standard laboratory safety protocols and always wear appropriate personal protective equipment (PPE). Read and understand the safety data sheets (SDSs) before handling chemicals. To obtain SDSs, email support@brukercellularanalysis.com.

Legal

The Opto Antigen Presenting Beads Kit, HLA*02:01 product insert and its contents are proprietary to Bruker Corporation. This product is intended for in vitro analysis of peptide-HLA binding and stability and antigen-specific stimulation and expansion of T cells. This product can be used in connection with Bruker's Beacon® and Lightning® optofluidic systems. No other use is permitted without the prior written consent by an authorized officer of Bruker. No right, title, or interest in any Bruker intellectual property rights are conveyed or granted, expressly or by implication, by this product insert. Please review the *Opto® Antigen Presenting Beads Kit, HLA*02:01 Protocol* PRIOR to using Opto Antigen Presenting Beads Kit, HLA*02:01.

Bruker reserves the right to change the information in this product insert without notice.

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