

Resource Summary Report

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Flex-T™ HLA Class I ELISA Protocol

DOI:10.17504/protocols.io.mcsc2we

Type: Protocol

Proper Citation

Kelsey Miller 2017. Flex-T™ HLA Class I ELISA Protocol. protocols.io
dx.doi.org/10.17504/protocols.io.mcsc2we

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.mcsc2we>

Authors: Kelsey Miller

Group: BioLegend

Summary: The HLA class I ELISA is an enzyme immunoassay based on the detection of β 2-microglobulin subunit of HLA class I complexes, after capturing the complex through the conjugated biotin. To this end, biotinylated HLA class I complex is first captured in streptavidin coated microtiter wells. Subsequently, HRP-conjugated anti-human β 2-microglobulin is added to detect intact HLA class I complexes. Only intact HLA class I complexes are recognized. Peptides with high affinity binding will be clearly detected by this ELISA technique, while peptides with a moderate to low binding affinity for HLA class I provide a moderate to non-detectable signal. This protocol is designed to evaluate the efficiency of peptide exchange when using the Flex-T™ system.

Affiliations: BioLegend

Version: 3

Publication Date: 2017

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