

## Flex-T™ Biotin HLA-A\*01:01 SARS-CoV-2 Monomer (PTDNYITTY)

<b>Catalog# / Size</b>	280083 / 25 µg
<b>Regulatory Status</b>	RUO
<b>Description</b>	<p>CD8+ T cells are essential components of the immune system. They function through TCR recognition of antigens (peptide epitopes) presented by the class I MHC (HLA in humans) molecules. Thus, TCR recognition of cognate MHC/peptide complex can be utilized for the detection of antigen-specific CD8+ T cells.</p> <p>The peptide PTDNYITTY is from SARS-CoV-2 ORF1ab (1321-1329).</p>

### Product Details

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<b>Reactivity</b>	Human
<b>Formulation</b>	PBS containing 0.5% BSA and protease inhibitors
<b>Concentration</b>	0.1 mg/mL
<b>Storage &amp; Handling</b>	Store frozen at -20°C or -80°C. Aliquot upon receipt before freezing; avoid repeated freeze-thaw cycles. Protect from light.
<b>Application</b>	<a href="#">ELISA - Quality tested</a> <a href="#">FC - Verified</a>
<b>Recommended Usage</b>	For flow cytometric staining, the suggested use of this reagent is 30 µL of 0.1 mg/mL biotinylated monomer, incubated with desired streptavidin fluorophore conjugate, following our recommended protocol. This will generate tetramers sufficient for 15 tests.
<b>Application Notes</b>	<p>Two-color staining with the same allele/peptide combination is recommended for flow cytometry analysis to increase the resolution and specificity of the assay.</p> <p>To order custom products please fill out the <a href="#">Custom Flex-T™ Request Form</a>.</p>

### Antigen Details

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<b>Biology Area</b>	COVID-19, Immunology
<b>Gene ID</b>	<a href="#">3105</a>

### Related Protocols

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[Flex-T™ HLA Class I ELISA Protocol](#)

[Cell Surface Flow Cytometry Staining Protocol](#)

[Flex-T™ Tetramer Preparation and Flow Cytometry Staining Protocol](#)

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