

## Purified anti-human HLA-C Antibody

<b>Catalog# / Size</b>	373302 / 100 µg
<b>Clone</b>	DT-9
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	HLAC, MHC Class I Antigen C
<b>Isotype</b>	Mouse IgG2b, κ
<b>Description</b>	HLA-C belongs to the HLA class I heavy chain paralogues. MHC class I heavy chains associate with β2-microglobulin and are expressed on nearly all nucleated cells. MHC class I molecules are involved in the presentation of antigens to CD8+ T cells and thereby play an important role in cell-mediated immune responses and immune surveillance.

### Product Details

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<b>Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Purified tamarin MHC class I molecules, corresponding to human HLA-C
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C.
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application References</b>	<ol style="list-style-type: none"><li>1. Corrah <i>et al.</i> 2011. J. Virol. 85: 3367.</li><li>2. Apps <i>et al.</i> 2013. Science. 340:87.</li><li>3. Braud <i>et al.</i> 1998. Curr. Biol. 8:1.</li></ol>
<b>Product Citations</b>	<ol style="list-style-type: none"><li>1. Yang W, <i>et al.</i> 2019. Nat Med. 25:767. <a href="#">PubMed</a></li></ol>
<b>RRID</b>	AB_2650941 (BioLegend Cat. No. 373302)

### Antigen Details

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<b>Structure</b>	Ig superfamily
<b>Distribution</b>	Nearly all cells
<b>Function</b>	Antigen peptide presentation
<b>Ligand/Receptor</b>	TCR, CD8
<b>Biology Area</b>	Immunology
<b>Molecular Family</b>	MHC Antigens

## Related Protocols

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[Cell Surface Flow Cytometry Staining Protocol](#)

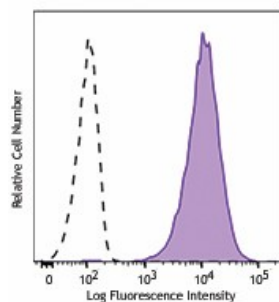
## Other Formats

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Purified anti-human HLA-C, Alexa Fluor® 647 anti-human HLA-C, Biotin anti-human HLA-C

## Product Data

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Human peripheral blood lymphocytes were stained with purified HLA-C antibody (clone DT-9, filled histogram) or Mouse IgG2b,  $\kappa$  isotype control (open histogram), followed by goat anti-mouse IgG PE.

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