

30-2735: Anti-HLA-C Purified (Clone:DT-9)

Clonality :	Monoclonal
Clone Name :	DT-9
Application :	IP
Gene :	HLA-C
Gene ID :	3107
Uniprot ID :	P10321
Format :	Purified
Alternative Name :	major histocompatibility complex, class I, C HLC-C, D6S204, PSORS1, HLA-JY3
Immunogen Information :	Purified MHC class I molecules of tamarin origin

Description

HLA-C, a member of MHC class I glycoproteins, is one of polymorphysm typing targets, which are important for transplantation. The HLA system plays an important role in the occurrence and outcome of infectious diseases. The structural spike and the nucleocapsid proteins of the novel coronavirus SARS-CoV-2, which causes coronavirus disease 2019 (COVID-19), are reported to contain multiple Class I epitopes with predicted HLA restrictions. Individual HLA genetic variation may help explain different immune responses to a virus across a population. It has been described that HLA-C interacts with human herpesvirus 8 MIR1 protein.

Specificity : The mouse monoclonal antibody DT-9 recognizes an extracellular epitope on HLA-C member of MHC class I molecules. It does not crossreact with HLA-A or HLA-B allotypes.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml, Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-4 µg/ml.

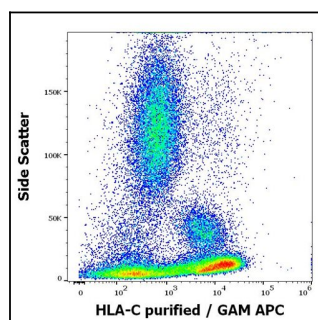


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human HLA-C (DT-9) purified antibody (GAM APC).

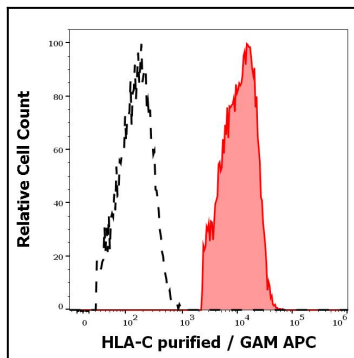


Figure 2: Separation of lymphocytes stained anti-human HLA-C (DT-9) purified antibody (GAM APC, red-filled) from lymphocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining).