

## Product Datasheet

### HLA-DQA1 Antibody (C-term) (orb1926370)

<b>Catalog Number</b>	orb1926370
<b>Category</b>	Antibodies
<b>Description</b>	Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	HLA-DQA1
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This HLA-DQA1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 188-222 amino acids from the C-terminal region of human HLA-DQA1.
<b>UniProt ID</b>	<b>P01909</b>
<b>MW</b>	27805 Da
<b>Tested applications</b>	FC, IF, WB
<b>Dilution range</b>	IF - 1:25, WB - 1:8000, FC - 1:25

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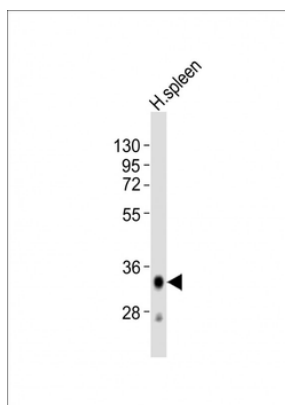
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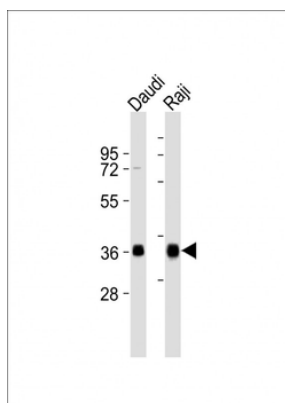
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Anti-HLA-DQA1 Antibody (C-term) at 1:2000 dilution + human spleen lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 28 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes: Anti-HLA-DQA1 Antibody (C-term) at 1:8000 dilution. Lane 1: Daudi whole cell lysates. Lane 2: Raji whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 28 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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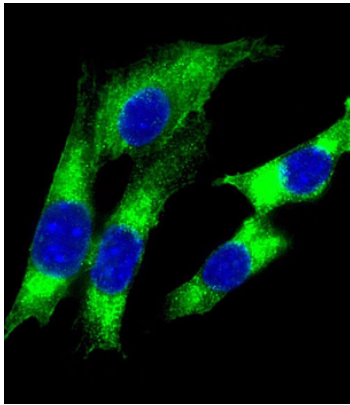
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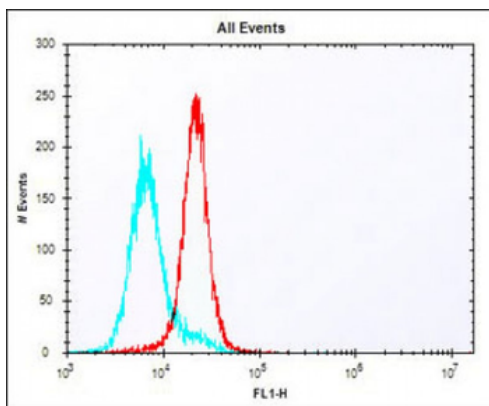
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Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized NIH/3T3 (mouse embryonic fibroblast cell line) cells labeling HLA-DQA1 at 1/25 dilution, followed by Dylight 488-conjugated goat anti-rabbit IgG secondary antibody at 1/200 dilution (green).

Immunofluorescence image showing cytoplasm staining on NIH/3T3 cell line. The nuclear counter stain is DAPI (blue).



Overlay histogram showing K562 cells stained (red line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of > 10000 events was performed.

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