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## anti-HLA-DQA1 antibody (AA 24-110)

3 Images



Go to Product page

#### Overview

Quantity:	100 μg
Target:	HLA-DQA1
Binding Specificity:	AA 24-110
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-DQA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

#### **Product Details**

Purpose:	Mouse monoclonal antibody raised against a partial recombinant HLA-DQA1.
Immunogen:	HLA-DQA1 (NP_002113.2, 24 a.a. $\sim$ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	EDIVADHVAS CGVNLYQFYG PSGQYTHEFD GDEEFYVDLE RKETAWRWPE FSKFGGFDPQ GALRNMAVAK HNLNIMIKRY NSTAATN
Clone:	1A3
Isotype:	lgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

#### **Target Details**

Target:	HLA-DQA1
Alternative Name:	HLA-DQA1 (HLA-DQA1 Products)
Background:	Full Gene Name: major histocompatibility complex, class II, DQ alpha 1 Synonyms: CD,CELIAC1,DQ-A1,FLJ27088,FLJ27328,GSE,HLA-DQA,MGC149527
Gene ID:	3117
NCBI Accession:	NM_002122
Pathways:	TCR Signaling, Cancer Immune Checkpoints

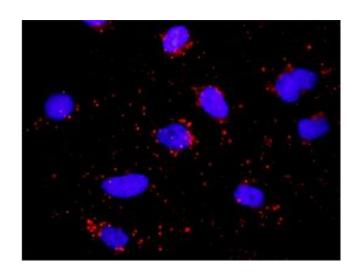
### **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

#### Handling

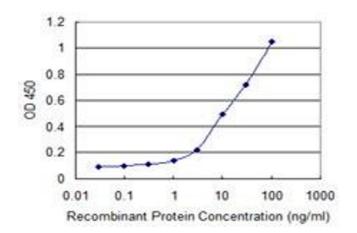
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

#### **Images**



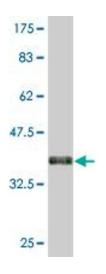
#### **Proximity Ligation Assay**

**Image 1.** Proximity Ligation Analysis of protein-protein interactions between CD74 and HLA-DQA1. HeLa cells were stained with anti-CD74 rabbit purified polyclonal 1:1200 and anti-HLA-DQA1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



#### **ELISA**

Image 2. Detection limit for recombinant GST tagged HLA-DQA1 is 0.3 ng/ml as a capture antibody.



#### **Western Blotting**

**Image 3.** Western Blot detection against Immunogen (35.31 KDa).