HLA-DQA1 Conjugated Antibody

Catalog No: #C38391

Package Size: #C38391-AF350 100ul #C38391-AF405 100ul #C38391-AF488 100ul #C38391-AF555 100ul #C38391-AF594 100ul #C38391-AF647 100ul #C38391-AF680 100ul #C38391-AF750 100ul #C38391-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	HLA-DQA1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total HLA-DQA1 antibody.
Immunogen Description	Recombinant protein of human HLA-DQA1.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	HLA-DQA1; CD; CELIAC1; DQ-A1; GSE; HLA-DQA ; DQ alpha 1 chain; DC-1 alpha chain; DC-alpha; HLA-DCA ; MHC class II DQA1;
Accession No.	Swiss-Prot#:P01909NCBI Gene ID:3117
Uniprot	P01909
GeneID	3117;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	28
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

HLA-DQA1 belongs to the HLA class II alpha chain paralogues. The class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B Lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa. Within the DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules (1).

1. Entrez Gene: gene-centered information at NCBI. Nucleic Acids Res. 2005 Jan 1;33:D54-8.

Note: This product is for in vitro research use only