HLA-DQA1 rabbit monoclonal antibody

Catalog # H00003117-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HLA-DQA1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human HLA-DQA1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HLA-DQA1 peptide by ELISA and mammalian transfected lysate b y Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

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- ELISA

Gene Info — HLA-DQA1

Entrez GeneID	3117
GeneBank Accession#	HLA-DQA1
Gene Name	HLA-DQA1
Gene Alias	CD, CELIAC1, DQ-A1, FLJ27088, FLJ27328, GSE, HLA-DQA, MGC149527
Gene Description	major histocompatibility complex, class II, DQ alpha 1
Omim ID	146880 212750
Gene Ontology	Hyperlink
Gene Summary	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. It is encoded by 5 exons; exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. 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. Typing for these polymorphisms is routinely done for bone marrow transplantation. [provided by RefSeq
Other Designations	Gluten-sensitive enteropathy (celiac disease)|MHC HLA-DQ alpha|MHC class II HLA-D alpha glycoprotein|MHC class II HLA-DQ-alpha-1|MHC class II antigen|MHC class II surface glycoprotein|OTTHUMP00000029141|OTTHUMP00000176885|OTTHUMP00000178551|OTTHUMP0000017

Pathway

- Allograft rejection
- Antigen processing and presentation
- Asthma
- Autoimmune thyroid disease
- Cell adhesion molecules (CAMs)
- Graft-versus-host disease

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- Systemic lupus erythematosus
- Type I diabetes mellitus

Disease

- Abortion
- Acute Disease
- Addison Disease
- Adenocarcinoma
- Adrenal hyperplasia
- Adrenal Insufficiency
- Alopecia
- Alopecia Areata
- Antiphospholipid Syndrome
- Aortic Aneurysm
- Arthritis
- Asthma
- Atherosclerosis
- Atrophy
- Autoimmune Diseases
- Autoimmune polyglandular syndrome
- Berylliosis
- Biliary Atresia
- Bipolar Disorder
- Birth Weight
- Blood Group Incompatibility
- Breast cancer

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- Breast Neoplasms
- Bronchiectasis
- Calcinosis
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Cataplexy
- Celiac Disease
- Cerebral Infarction
- Cerebrovascular Accident
- Chagas Disease
- Chlamydia Infections
- Cholangitis
- Cholestasis
- Chronic Disease
- Colitis
- Colorectal Neoplasms
- Cough
- Crohn Disease
- Cryoglobulinemia
- Cytomegalovirus Infections
- Dermatitis
- Dermatomyositis
- Diabetes
- Diabetes Mellitus

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- Diabetic Angiopathies
- Diabetic Ketoacidosis
- Diabetic Nephropathies
- Diabetic Retinopathy
- Diarrhea
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Drug Eruptions
- Drug Hypersensitivity
- Duodenal Ulcer
- Dyspepsia
- Eczema
- Edema
- Encephalomyelitis
- Endometriosis
- Endometritis
- Eosinophilia-Myalgia Syndrome
- Eye Infections
- Fallopian Tube Diseases
- Fatigue Syndrome
- Gastritis
- Gastroenteritis
- Gastrointestinal Diseases
- Genetic Predisposition to Disease
- Glomerulonephritis
- Goiter

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- Gonorrhea
- Graft vs Host Disease
- Graves Disease
- Growth Disorders
- Guillain-Barre Syndrome
- Hashimoto Disease
- Helicobacter Infections
- Hematologic Neoplasms
- Hepatitis
- Hepatitis B
- Hepatitis C
- Histoplasmosis
- HIV Infections
- HIV Seropositivity
- Hyperplasia
- Hypersensitivity
- Hypertension
- IgA Deficiency
- Infection
- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Jaundice
- Joint Diseases
- Keloid
- Kidney Failure

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- Kidney Neoplasms
- Lambert-Eaton Myasthenic Syndrome
- Leishmaniasis
- Leprosy
- Leukemia
- Liver Cirrhosis
- Liver Failure
- Liver Neoplasms
- Lung carcinoma
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphoma
- Malaria
- Malignant melanoma
- Melanoma
- Metaplasia
- Multiple Sclerosis
- Myasthenia Gravis
- Myocardial Infarction
- Myositis
- Narcolepsy
- Nasal Polyps
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness

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- Neoplasms
- Neovascularization
- Neuromyelitis Optica
- Neutropenia
- Obesity
- Occupational Diseases
- Ophthalmia
- Optic Neuritis
- Osteoarthritis
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Papilloma
- Papillomavirus Infections
- Parasitemia
- Parkinson disease
- Pelvic Inflammatory Disease
- Pemphigoid
- Pemphigus
- Phenylketonuria
- Philadelphia Chromosome
- Polyendocrinopathies
- Polymyositis
- Prediabetic State
- Pre-Eclampsia
- Pregnancy Complications

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- Pregnancy in Diabetics
- Psoriasis
- Puerperal Disorders
- Purpura
- Recurrence
- Respiratory Hypersensitivity
- Respiratory Tract Infections
- Respiratory Tract Neoplasms
- Rheumatic Diseases
- Rheumatic Fever
- Rheumatic Heart Disease
- Rhinitis
- Sarcoidosis
- Schistosomiasis
- Schistosomiasis japonica
- Schizophrenia
- Scleroderma
- Seminoma
- Severe Acute Respiratory Syndrome
- Skin Neoplasms
- Spondylarthritis
- Spondylitis
- Stomach Neoplasms
- Stomach Ulcer
- Substance Abuse

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- Thromboembolism
- Thymoma
- Thymus Neoplasms
- Thyroid Diseases
- Thyroid Neoplasms
- Thyroiditis
- Tuberculosis
- Tumor Virus Infections
- Urticaria
- Uterine Cervical Neoplasms
- Uveitis
- Viremia
- Vitiligo
- Warts

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