1C04 Rabbit pAb

CatalogNo: YN4050

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB

MW
- 40kD (Calculated)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human 1C04 AA range: 110-160
Specificity	This antibody detects endogenous levels of 1C04 at Human

Target Information

Gene name HLA-C HLAC

Protein Name 1C04

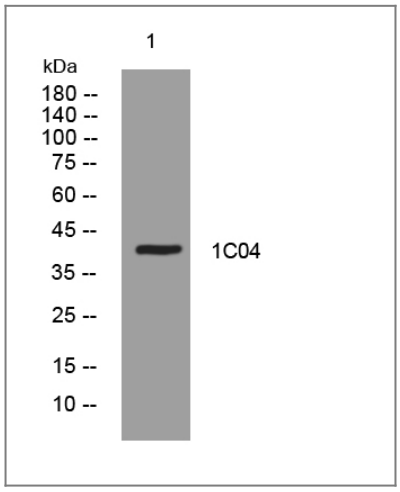
Organism	Gene ID	UniProt ID
Human		P30504;

Cellular Localization ane,extracellular region,endoplasmic reticulum,atus,plasma membrane,integral component of plasma membrane,cell surface,ER to port vesicle membrane,membrane,integral component of membrane,phaicle membrane,early endosome membrane,MHC class I protein complex,MHC class II protein complex,extracellular exosome,integral component of lumenal side of endoplasmic reticulum membrane,

Function

Disease:Genetic variation in HLA-C is associated with susceptibility to psoriasis 1 (PSORS1) [MIM:177900]. Psoriasis is a chronic inflammatory dermatosis that affects approximately 2% of the population. It is characterized by red, scaly skin lesions that are usually found on the scalp, elbows, and knees, and may be associated with severe arthritis. The lesions are caused by hyperproliferative keratinocytes and infiltration of inflammatory cells into the dermis and epidermis. The usual age of onset of psoriasis is between 15 and 30 years, although it can present at any age.,Disease:HLA-B27 is associated with the development of ankylosing spondylitis (AS) [MIM:106300]. AS is a chronic inflammatory rheumatic disease that mainly affects the axial skeleton and is considered the prototype of seronegative spondyloarthropathies (SNSA), which include reactive arthritis (e.g., Reiter's syndrome), psoritic spondylitis, and other spondyloarthropathies (SpA). In the Greek Cypriot population, a restricted number of HLA-B27 subtypes are associated with AS and other B27-related diseases and an elevated frequency of the B*2702 allele in the AS patients is identified. The allele B*2707 seems to have a protective role in this population because it was found only in the healthy controls.,Disease:HLA-B51 is associated with Behcet disease but it is not certain whether HLA-B51 itself or a closely linked gene is responsible for susceptibility. About 20% of healthy individuals of various ethnic origin carries the HLA-B 51 locus, compared with 50 to 80% of patients. Behcet disease is a systemic disorder of recurrent acute inflammation characterized by 4 major symptoms: oral aphthous ulcers, skin lesions, ocular symptoms and genital ulcerations. Occasionally, inflammation in tissues and organs throughout the body can occur, including the gastrointestinal tract, central nervous system, vascular system, lungs, and kidneys. The etiology of Behcet disease is unclear.,Disease:Involved in susceptibility to Stevens-Johnson syndrome [MIM:608579]. This is a life-threatening reaction of the skin to particular types of medication. It is characterized by high fever, malaise and blistering exanthema. The more severe form of the disease is referred to as toxic epidermal necrolysis.,Function:Involved in the presentation of foreign antigens to the immune system.,polymorphism:The following alleles of B-13 are known: B*1301 (B13.1), B*1302 (B13.2), B*1304 and B*1308. The sequence shown is that of B*1302.,polymorphism:The following alleles of B-14 are known: B*1401 (Bw-64; B-64), B*1402 (Bw-65, B-65) and B*1403. The sequence shown is that of B*1401.,polymorphism:The following alleles of B-15 are known: B*1501 (Bw-62; B-62), B*1502 (Bw-75, B-75), B*1503 (Bw-72; B-72; B-70) B*1504, B*1511, B*1519 and B*1566. Allele B*1502 is associated with susceptibility to Stevens-Johnson syndrome. The sequence shown is that of B*1501.,polymorphism:The following alleles of B-18 are known: B*1801 B*1802, B*1803, B*1807 (B*MF), B*1810, B*1811, B*1812 and B*1813. The sequence shown is that of B*1801.,polymorphism:The following alleles of B-27 are known: B*2701=B*2705, B*2702 (B27.2; B-27k; B27e), B*2703 (B27d), B*2704, B*2706, B*2707, B*2708 (B7Qui) and B*2709 (B27-ci). The sequence shown is that of B*2701.,polymorphism:The following alleles of B-35 are known: B*3501, B*3502, B*3503, B*3504, B*3505 (B35-G), B*3506 (B35-K), B*3507, B*3508, B*3525, B*3528, B*3529 (B*KG), B*3530, B*3532 (B*TMUL) and B*3536. The sequence shown is that of B*3501.,polymorphism:The following alleles of B-37 are known: B*3701, B*3704 and B*3705. The sequence shown is that of B*3701.,polymorphism:The following alleles of B-38 are known: B*3801, B*3802, B*3803, B*3804, B*3805, B*3806, B*3807 and B*3808. The sequence shown is that of B*3801.,polymorphism:The following alleles of B-39 are known: B*3901 (B39.1), B*3902 (B9.2), B*3903, B*3904 (B39N), B*3905 (ST-16), B*3906 (B39G), B*3907 (B39uw3), B*3909, B*3910, B*3912 (B3901v), B*3923 (B39022v1) and B*3924. The sequence shown is that of B*3901.,polymorphism:The following alleles of B-40 are known: B*4001, B*4002, B*4003 (B40-G1), B*4004 (B40-G2), B*4005 (BN21), B*4006, B*4008, B*4009, B*4016 and B*4027. The sequence shown is that of B*4002.,polymorphism:The following alleles of B-41 are known: B*4101, B*4102 (B41.2), B*4103, B*4104 and B*4105. The sequence shown is that of B*4101.,polymorphism:The following alleles of B-42 are known: B*4201 (Bw-42) and B*4202. The sequence shown is that of B*4201.,polymorphism:The following alleles of B-44 are known: B*4402 (B-12; B44.2), B*4404, B*4405, B*4407, B*4408 (B44BO), B*4409, B*4412 and B*4413. The sequence shown is that of B*4402.,polymorphism:The following alleles of B-46 are known: B*4601 and B*4602. The sequence shown is that of B*4601.,polymorphism:The following alleles of B-49 are known: B*4901, B*4902 and B*4903 (B*RA). The sequence shown is that of B*4901.,polymorphism:The following alleles of B-51 are known: B*5101, B*5103, B*5104, B*5108 and B*5124. The sequence shown is that of B*5101.,polymorphism:The following alleles of B-52 are known: B*5201, B*5202 (B*52012V) and B*5203. The sequence shown is that of B*5201.,polymorphism:The following alleles of B-53 are known: B*5301, B*5302, B*5303, B*5304, B*5305, B*5306 and B*5307. The sequence shown is that of B*5301.,polymorphism:The following alleles of B-54 are known: B*5401 and B*5402 (B5401V). The sequence shown is that of B*5401.,polymorphism:The following alleles of B-55 are known: B*5501, B*5502, B*5504 (B55.2), B*5505, B*5508 (B*ER), B*5509 and B*5512. The sequence shown is that of B*5501.,polymorphism:The following alleles of B-57 are known: B*5701, B*5702 (Bw57.2), B*5703 (B-57SAU) and B*5705. The sequence shown is that of B*5701.,polymorphism:The following alleles of B-58 are known: B*5801, B*5802, B*5804 and B*5805. The sequence shown is that of B*5801.,polymorphism:The following alleles of B-7 are known: B*0702 (B7.2), B*0703 (BPOT), B*0704, B*0705, B*0706 (B7_L79), B*0718 and B*0724. The sequence shown is B*0702.,polymorphism:The following alleles of B-78 are known: B*7801 (B SNA), B*7802 and B*7803. The sequence shown is that of B*7801.,polymorphism:The following alleles of B-8 are known: B*0801, B*0804, B*0806, B*0807 (B*NV), B*0809 (B*HM; B*08HO), B*0810, B*0812, B*0813 and B*0814. The sequence shown is B*0801.,polymorphism:The following alleles of Cw-1 are known: Cw*0101 (Cw1.1), Cw*0102 (Cw1.2), Cw*0103 and Cw*0104. The sequence shown is that of Cw*0101.,polymorphism:The following alleles of Cw-12 are known: Cw*1202, Cw*1203, Cw*1204, Cw*1205, Cw*1206, Cw*1207, Cw*1208 and Cw*1209. The sequence shown is that of Cw*1202.,polymorphism:The following alleles of Cw-14 are known: Cw*1402 (CB-1), Cw*1403 (CX44), Cw*1404 and Cw*1404. The sequence shown is that of Cw*1402.,polymorphism:The following alleles of Cw-16 are known: Cw*1601, Cw*1602 (CW*CL10V) and Cw*1604. The sequence shown is that of Cw*1601.,polymorphism:The following alleles of Cw-17 are known: Cw*1701, Cw*1702 and Cw*1703. The sequence shown is that of Cw*1701.,polymorphism:The following alleles of Cw-2 are known: Cw*0201 (Cw2.1) and Cw*0202 (Cw2.2). The sequence shown is that of Cw*0201.,polymorphism:The following alleles of Cw-3 are known: Cw*0302 (Cw3.2), Cw*0303, Cw*0304 (Cw3.1), Cw*0305, Cw*0306, Cw*0307, Cw*0308, Cw*0309 and Cw*0313. The sequence shown is that of Cw*0304.,polymorphism:The following alleles of Cw-4 are known: Cw*0401 Cw*0403, Cw*0404, Cw*0405 and Cw*0406. The sequence shown is that of Cw*0401.,polymorphism:The following alleles of Cw-5 are known: Cw*0501 Cw*0502, Cw*0503 and Cw*0504. The sequence shown is that of Cw*0501.,polymorphism:The following alleles of Cw-6 are known: Cw*0602 Cw*0603 and Cw*0604. Allele HLA-Cw*0602 is a risk factor that confers susceptibility to psoriasis. The sequence shown is that of Cw*0602.,polymorphism:The following alleles of Cw-7 are known: Cw*0701, Cw*0702, Cw*0703, Cw*0704, Cw*0706, Cw*0709 and Cw*0711. The sequence shown is that of Cw*0702.,polymorphism:The following alleles of Cw-8 are known: Cw*0801 (Cw8.1), Cw*0802 (Cw8.2) and Cw*0803. The sequence shown is that of Cw*0801.,PTM:Polyubiquitinated in a post ER compartment by interaction with human herpesvirus 8 MIR1 protein. This targets the protein for rapid degradation via the ubiquitin system.,similarity:Belongs to the MHC class I family.,similarity:Contains 1 Ig-like C1-type (immunoglobulin-like) domain.,subunit:Heterodimer of an alpha chain and a beta chain (beta-2-microglobulin). Interacts with human herpesvirus 8 MIR1 protein (By similarity). Interacts with HTLV-1 accessory protein p12I.,subunit:Heterodimer of an alpha chain and a beta chain (beta-2-microglobulin). Interacts with human herpesvirus 8 MIR1 protein (By similarity). Interacts with HTLV-1 p12I accessory protein.,subunit:Heterodimer of an alpha chain and a beta chain (beta-2-microglobulin). Interacts with human herpesvirus 8 MIR1 protein.,

Validation Data



Western blot analysis of lysates from AD293 cells, primary antibody was diluted at 1:1000, 4°over night

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