

Datasheet for ABIN6296687 **anti-HLA-B27 antibody**

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Overview

Quantity:	100 µg
Target:	HLA-B27
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HLA-B27 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

Purpose:	Mouse anti-Human HLA-B Antibody [Sodium Azide Free]
Immunogen:	Lymphocytes from an HLA-B27 patient were used as the immunogen for the HLA-B antibody.
Specificity:	Cell surface
Purification:	Lymphocytes from an HLA-B27 patient were used as the immunogen for the HLA-B antibody.

Target Details

Target:	HLA-B27
Alternative Name:	HLA class I histocompatibility antigen, B-27 alpha chain (HLA-B27 Products)
Background:	Target Description: This mAb recognizes the HLA-B27 cell surface antigen on human cells. It may be used to HLA type human lymphocytes. Approximately 60 % of patients with ankylosing spondylitis are HLA-B27 positive. This reagent can be used to help identify this HLA haplotype in human lymphocytes. Major histocompatibility complex (MHC) molecules form an integral

Target Details

part of the immune response system. They are cell-surface receptors that bind peptides and present them to T lymphocytes. Human leukocyte antigens (HLAs) are polymorphic members of the MHC family that are specifically involved in the presentation of antigens to the T cell receptor. There are two classes of HLA antigens: class I (HLA-A, HLA-B and HLA-C) and class II (HLA-D). Class I molecules are expressed in nearly all cells and play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum. The differential structural properties of MHC class I and class II molecules account for their respective roles in activating different populations of T lymphocytes. HLA-B encodes a membrane anchored heavy chain, which hetero-dimerizes with a light chain (b-2-Microglobulin) to form MHC-I. Polymorphisms yield hundreds of HLA-B alleles. The HLA-B27 allele appears with increased frequency in uveitis patients.

Gene Symbol: HLA-B///HLAB

UniProt: [P03989](#)

Pathways: [Human Leukocyte Antigen \(HLA\) in Adaptive Immune Response](#)

Application Details

Application Notes: Flow Cytometry: 0.5-1 µg/million cells in 0.1ml
Immunofluorescence: 0.5-1 µg/mL

Restrictions: For Research Use only

Handling

Buffer: In 1X PBS, BSA free, sodium azide free

Preservative: Azide free

Storage: 4 °C, -20 °C

Storage Comment: 2-8°C. The azide-free format should be aliquoted and stored at -20°C or colder.