



HLA-B27 monoclonal antibody

Catalog: MB30052

Host: Mouse

Reactivity: Human

BackGround:

HLA-B27 (human leukocyte antigen B27) is a major histocompatibility complex (MHC) class I molecule that presents peptides to CD8⁺ T cells. It is strongly associated with ankylosing spondylitis and other spondyloarthritis, and its misfolding and cell surface expression are central to disease pathogenesis. HLA-B27 antibodies are used in HLA typing and disease research.

Product:

Mouse IgG2a. 1mg/ml in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~40.5 kDa

Swiss-Prot:

O19193

Purification&Purity:

The antibody was purified by affinity chromatography.

Applications:**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes human HLA-B27

DATA:

Western blot analysis of DFF45 expression in MCF7 (A), A549 (B), H9C2 (C), CT26 (D) whole cell lysates.

Immunohistochemical analysis of DFF45 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of DFF45 staining in SGC7901 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151