TCR V alpha 24-J alpha 18 monoclonal antibody

Catalog: MB30038 Host: Mouse Reactivity: Human

BackGround:

The TCR V alpha 24-J alpha 18 (Vα24-Jα18) rearrangement encodes the invariant T cell receptor alpha chain of invariant natural killer T (iNKT) cells. iNKT cells recognize glycolipid antigens presented by CD1d and rapidly produce cytokines, bridging innate and adaptive immunity in anti-tumor, anti-infection and autoimmune responses.

Product:

Mouse IgG1 kappa. 1mg/ml in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

N/A (TCR complex; multiple chains)

Swiss-Prot:

Purification&Purity:

The antibody was purified by affinity chromatography.

Applications:

IF/ICC (1/50 - 1/200), FC (1/500 - 1/2000)

Storage&Stability:

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

Specificity:

Recognizes human TCR V alpha 24-J alpha 18

DATA:

Western blot analysis of SERCA2 expression in HeLa (A) whole cell lysates.

Immunohistochemical analysis of SERCA2 staining in human kidney 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 SERCA2 staining in HeLa 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 ℃ in a hidified chamber. Cells were washed with PBST and incubated with an 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@bioworlde.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