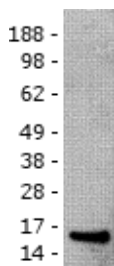


Anti-Human SAP (SLAM-Associated Protein) Purified

Catalog Number: 14-9888

RUO: For Research Use Only. Not for use in diagnostic procedures.



Immunoblotting of reduced Jurkat cell lysate with 5 µg/ml of Anti-Human SAP (SLAM-Associated Protein) Purified antibody. Bands were visualized using Anti-Mouse IgG HRP.

Product Information

Contents: Anti-Human SAP (SLAM-Associated Protein) Purified

Catalog Number: 14-9888

Clone: 10C4.2

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to vial

Use By: Refer to vial

Description

This 10C4.2 monoclonal antibody reacts with human SLAM-associated protein (SAP). Upon SLAM receptor ligation, this 16-kDa SH2 domain-containing adaptor protein recruits Fyn tyrosine kinase, which phosphorylates the receptor to activate downstream signaling events. SAP is expressed in T, NK, and NKT cells, as well as eosinophils and platelets. This protein has also been detected in B cells and tumor cell lines such as Jurkat and Raji. Studies demonstrate that SAP expression in T follicular helper cells is required for germinal center formation. Moreover, this protein is involved in NKT cell development, Th1/Th2 differentiation, and controlling NK cytotoxicity. The role of SAP in B cells, however, is currently under investigation. Finally, deletion of the gene encoding SAP, *SH2D1A*, results in X-linked lymphoproliferative disease in humans.

Applications Reported

This 10C4-SAP (10C4.2) antibody has been reported for use in immunoblotting and immunocytochemistry (ICC).

Applications Tested

This 10C4.2 antibody has been tested by immunoblotting of reduced cell lysate prepared from Jurkat cells. This can be used at less than or equal to 5 µg/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Sayós J, Martín M, Chen A, Simarro M, Howie D, Morra M, Engel P, Terhorst C. Cell surface receptors Ly-9 and CD84 recruit the X-linked lymphoproliferative disease gene product SAP. *Blood.* 2001 Jun 15;97(12):3867-74. (10C4.2, WB, ICC, Pubmed)

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Sayos J, Wu C, Morra M, Wang N, Zhang X, Allen D, van Schaik S, Notarangelo L, Geha R, Roncarolo MG, Oettgen

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Related Products

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)