

Monoclonal anti-human CD46 antibody (clone AT2G9)

Mouse IgG_{2a}, κ

Cat. No. IBATGA0326

Immunogen: Recombinant human CD46 (35-313aa) purified from *E. coli*

NCBI Accession No.: NP_758860

Isotype: Mouse IgG_{2a} heavy chain and κ light chain

Clone: Anti-human CD46 mAb, clone AT2G9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CD46 protein.

Description: Membrane Cofactor Protein (CD46) is a type 1 membrane protein that plays an important inhibitory role in the complement system. CD46 regulates the complement cascade by inhibiting C3b and C4b deposited on self tissue. This protein is a cofactor that binds to C3b and C4b, allowing their degradation by a plasma serine protease called factor I. This function resides in the complement control protein repeats (CCPs), with CCP1–4 essential for regulation. CD46 is implicated in the development and/or progression of selected cancer types.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000

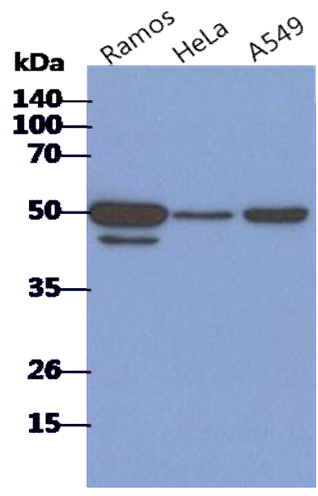
Application: ELISA, WB

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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Product information

<p>Western blot analysis</p> <p>The cell lysates of Ramos, HeLa and A549 (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CD46 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.</p>	
<p>General references:</p>	<p>Liszewski M.K., <i>et al.</i> (1991) <i>Annu Rev Immunol</i> 9: 431-455 Riley-Varqas R.C., <i>et al.</i> (2004) <i>Trends Immunol</i> 25(9): 496-503 Studebaker A.W., <i>et al.</i> (2010) <i>Neuro Oncol</i> 12: 1034-1042</p>

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