

Product datasheet for **AM50350PU-N**

CD46 Mouse Monoclonal Antibody [Clone ID: AT2G9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT2G9
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA. Western blot. Flow cytometry. Immunofluorescence/Immunocytochemistry. Immunohistochemistry on Paraffin Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant human CD46 (35-313aa) purified from E. coli.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD46 molecule
Database Link:	Entrez Gene 4179 Human P15529



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Background:

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.

Synonyms:

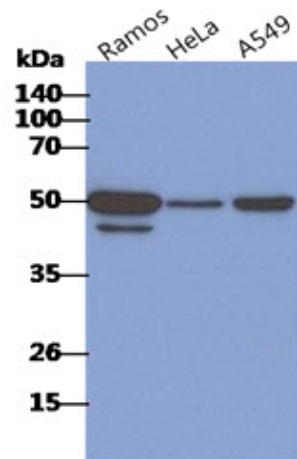
TLX, MIC10

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Complement and coagulation cascades

Product images:

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.