

Product datasheet for **AM50038PU-S**

Cytokeratin 8 (KRT8) Mouse Monoclonal Antibody [Clone ID: AT3D11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT3D11
Applications:	ELISA, WB
Recommended Dilution:	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.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Recombinant human KRT8 (1-483aa) purified from E. coli
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified IgG 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:	keratin 8
Database Link:	Entrez Gene 3856 Human P05787



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Background:

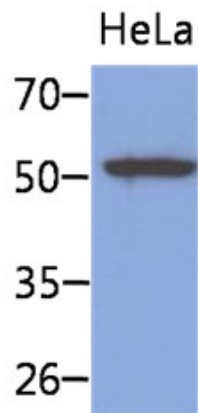
Keratin, type II cytoskeletal 8 also known as cytokeratin-8 (CK-8) or keratin-8 (K8) is a keratin protein that in human is encoded by the KRT8 gene. This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene.

Synonyms:

KRT8, CYK8, Cytokeratin-8, CK8, Keratin-8, K8, Cytokeratin endo A

Protein Families:

Druggable Genome

Product images:

The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human KRT8 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.