

Product datasheet for **AM10225PU-N**

Transglutaminase 3 (TGM3) Mouse Monoclonal Antibody [Clone ID: C2D]

Product data:

Product Type:	Primary Antibodies
Clone Name:	C2D
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/200-1/1000. Immunohistochemistry: 1/100-1/500.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human Transglutaminase-3
Specificity:	Reacts with Human 77 TGM3 protein <i>full length</i> (77kDa) and <i>proteolysed</i> form (47kDa and 30 kDa). This antibody reacts with epidermal Transglutaminase (TGase 3) from Human epidermal cells and recombinant Human Transglutaminase (rh-TGase3).
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized purified antibody Preservative: None
Reconstitution Method:	Restore in distilled water.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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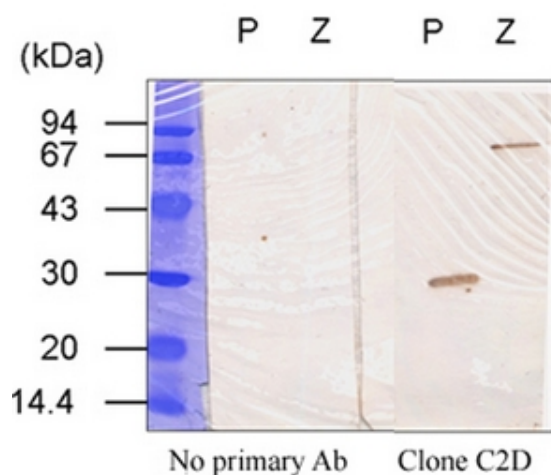
Gene Name: transglutaminase 3

Database Link: [Entrez Gene 7053 Human Q08188](#)

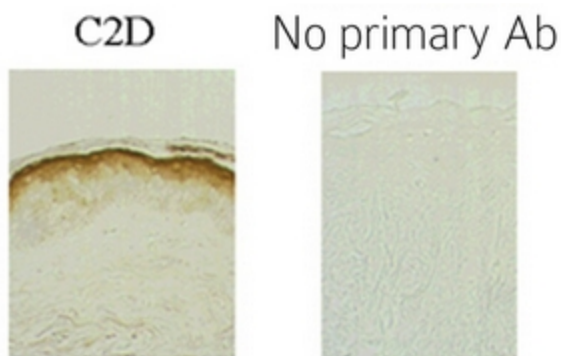
Background: Transglutaminases are enzymes that catalyze the crosslinking of proteins by epsilon-gamma glutamyl lysine isopeptide bonds. While the primary structure of transglutaminases is not conserved, they all have the same amino acid sequence at their active sites and their activity is calcium-dependent. The protein encoded by this gene consists of two polypeptide chains activated from a single precursor protein by proteolysis. The encoded protein is involved the later stages of cell envelope formation in the epidermis and hair follicle.

Synonyms: TGase, TGE

Product images:



Western Blot using Transglutaminase-3 antibody :P: Loaded with proteolyzed form (47kDa and 30kDa).Z: Loaded with the zymogen form (77kDa).



Immunohistochemical analysis of Human foreskin using Transglutaminase-3 antibody (clone C2D)