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Product datasheet for AM10224PU-N

Transglutaminase 3 (TGM3) Mouse Monoclonal Antibody [Clone ID: B5D]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B5D
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 TGase-3 from Human epidermal cells and recombinant Tgase-3 (rh-TG-3). This antibody recognizes both *full length* (77 kDa) and *proteolysed* forms (30 kDa).
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.
Predicted Protein Size:	77 kDa
Gene Name:	transglutaminase 3

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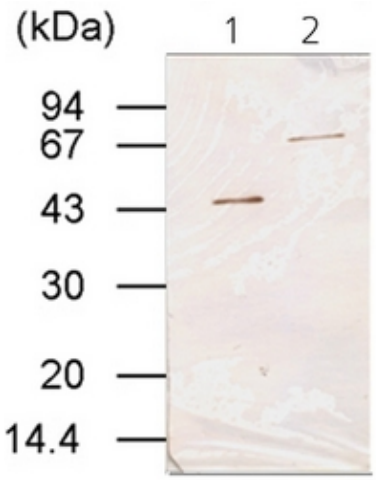
Database Link: Entrez Gene 7053 Human
Q08188

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 Cat.-No AM10224PU-N : Lane 1: Loaded with proteolyzed form (47kDa and 30kDa). Lane 2: Loaded with the zymogen form (77kDa).