

AM10223PU-N**Monoclonal Antibody to Transglutaminase-2 - Purified**

Quantity:	0.1 mg
Background:	Transglutaminase II catalyzes calcium-dependent post-translational modification of proteins by formation of an isopeptide bond within or between polypeptide chains. It is also known as TGC, tTG, type II-, Gh, cytosolic-, liver-, endothelial-, erythrocyte-, cellular-transglutaminase. Different tissues and cell types express varying amounts of tissue transglutaminase with a markedly high expression in rheumatoid lesions. It is implicated in programmed cell death, signal transduction, drug-resistance, cell growth, endocytosis, insulin secretion, cell adhesion, cataract formation, and wound healing.
Uniprot ID:	P08587
NCBI:	10144
Host / Isotype:	Mouse / IgG3
Recommended Isotype Controls:	AM03097PU-N
Clone:	7D2
Immunogen:	Purified Transglutaminase 2 from Guinea Pig liver
Format:	State: Lyophilized purified antibody Purification: Affinity Chromatography on Protein A Buffer System: 0.1M Tris, 0.1M Glycine and 2% Sucrose Preservatives: None Reconstitution: Restore in distilled water.
Applications:	ELISA. Western Blot: 1/200-1/1000. Immunohistochemistry: 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with Guinea Pig TGM2 protein. React in liver and blood cells (erythrocytes). Also reacts with recombinant Human tissue Transglutaminase (rh-TGase-2)
Species Reactivity:	Tested: Human, Guinea Pig.
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. Shelf life: one year from despatch.
Product Citations:	Originator or purchased from resellers: 1. Mischiati C et al. Changes in protein expression in two cholangiocarcinoma cell lines undergoing formation of multicellular tumor spheroids in vitro. PLoS One. 2015 Mar 10;10(3).

Pictures:

Western Blot (10% gel) of Human Erythrocytes with Transglutaminase-2 antibody Cat.-No AM10223PU-N

