

For Research Use Only

# TGM1 Monoclonal antibody, PBS Only



Catalog Number: 67004-1-PBS

## Basic Information

<b>Catalog Number:</b> 67004-1-PBS	<b>GenBank Accession Number:</b> BC034699	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7051	<b>CloneNo.:</b> 3D9C11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P22735	
<b>Isotype:</b> IgG2b	<b>Full Name:</b> transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	
<b>Immunogen Catalog Number:</b> AG3905	<b>Calculated MW:</b> 817 aa, 90 kDa	
	<b>Observed MW:</b> 90 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
Human

## Background Information

Transglutaminase 1 is an epidermal enzyme that is expressed during the terminal differentiation of keratinized squamous epithelium to form cornified cell envelope in differentiated keratinocytes. Mutation of TGM1 has been linked to various epidermal diseases. This antibody recognizes the endogenous 90 kDa TGM1 proteins.

## Storage

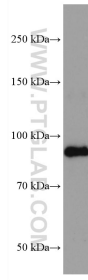
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

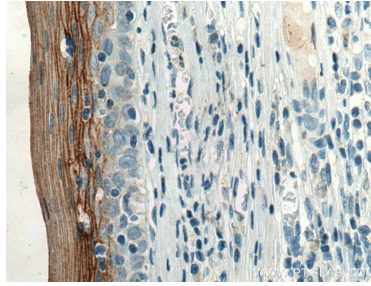
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## Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 67004-1-Ig (TGM1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67004-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67004-1-Ig (TGM1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67004-1-PBS in a different storage buffer formulation.