

Biotin-conjugated IgM Monoclonal antibody

Catalog Number: **Biotin-66484**

Basic Information

Catalog Number: Biotin-66484	GenBank Accession Number: BC009851	Purification Method: Protein G purification
Size: 1000 μ g/ml	GeneID (NCBI): 3507	CloneNo.: 2D10B10
Source: Mouse	Full Name: immunoglobulin heavy constant mu	Recommended Dilutions: IHC 1:50-1:500
Isotype: IgG1	Calculated MW: 69 kDa	
Immunogen Catalog Number: AG1459	Observed MW: 75 kDa	

Applications

Tested Applications: IHC	Positive Controls: IHC : human tonsillitis tissue,
Species Specificity: Human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

IGHM is the constant region of heavy chain of IgM. IgM is the first immunoglobulin expressed during B cell development. IgM antibodies play an important role in primary immune response involved in early recognition of external invaders like bacteria and viruses, cellular waste and modified self, as well as in recognition and elimination of precancerous and cancerous lesions. The μ heavy chain disease is a rare lymphoproliferative disorder. Human immunoglobulin heavy chain locus translocations are associated with leukaemias and lymphomas, including multiple myeloma, mantle cell lymphoma, Burkitt's lymphoma and diffuse large B cell lymphoma. This antibody detects the heavy chain of human IgM (~75 kDa).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

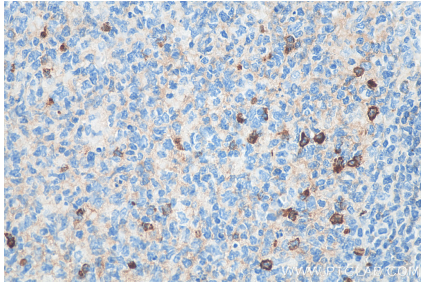
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using Biotin-66484 (human IgM antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).