For Research Use Only

human IgM Monoclonal antibody, PBS Only

Catalog Number:66484-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66484-1-PBS

Concentration:
1mg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG1459

GenBank Accession Number:
BC009851

GeneID (NCBI):
3507

Full Name:
immunoglobulin heavy constant mu

Calculated MW:
69 kDa

Observed MW:
75 kDa

Purification Method:
Protein G purification

CloneNo.:
2D10B10

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

Species Specificity:
human

Background Information

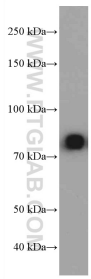
IGHM is the constant region of heavy chain of IgM. IgM is the first immunoglobulin expressed during B cell development. IgM antibodies play an important role in primary immune response involved in early recognition of external invaders like bacteria and viruses, cellular waste and modified self, as well 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

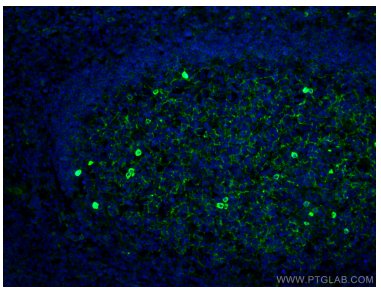
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

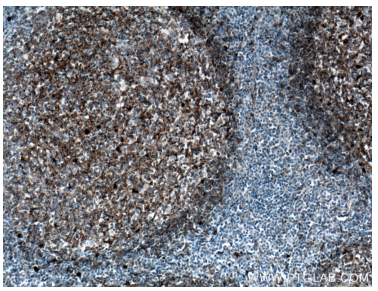
Selected Validation Data



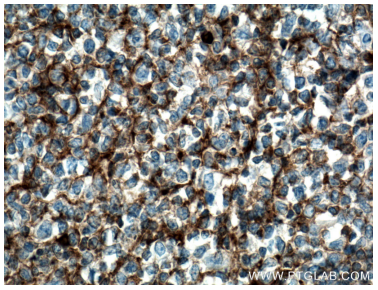
0.1 μL human plasma was subjected to SDS PAGE followed by western blot with 66484-1-Ig (IGHM antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.



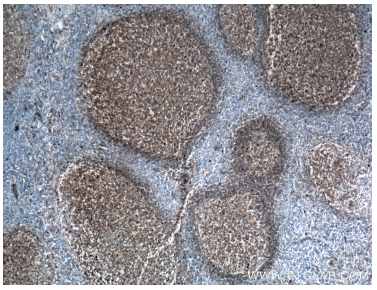
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using human IgM antibody (66484-1-Ig, Clone: 2D10B10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.



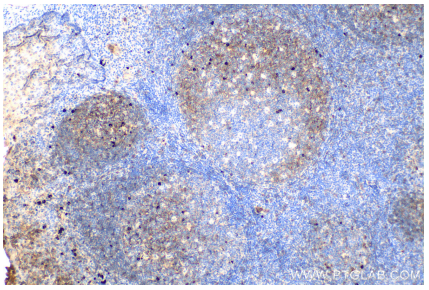
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66484-1-Ig (IGHM antibody) at dilution of 1:1000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.



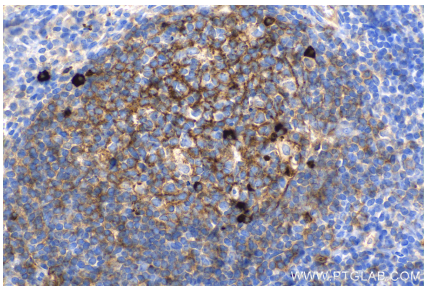
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66484-1-Ig (IGHM antibody) at dilution of 1:1000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.



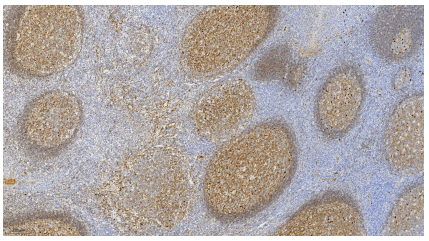
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66484-1-Ig (IGHM antibody) at dilution of 1:1000 (under 4x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.



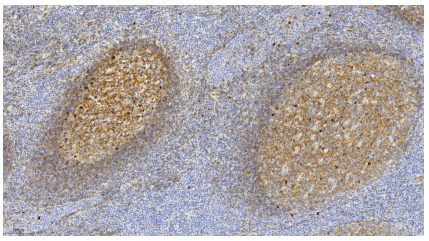
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66484-1-Ig (human IgM antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.



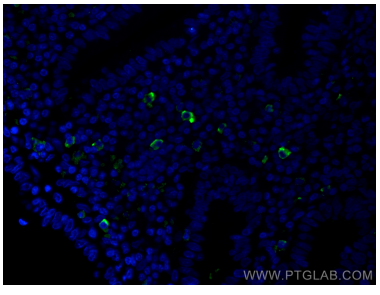
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66484-1-Ig (human IgM antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.

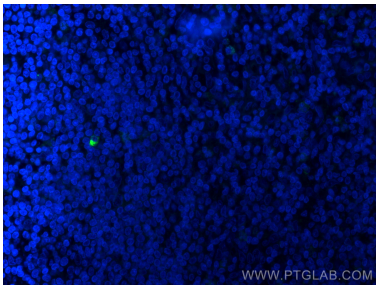


Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66484-1-Ig (human IgM antibody) at dilution of 1:3200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66484-1-Ig (human IgM antibody) at dilution of 1:3200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.





Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using human IgM antibody (66484-1-Ig, Clone: 2D10B10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.

Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human appendicitis tissue using human IgM antibody (66484-1-Ig, Clone: 2D10B10) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66484-1-PBS in a different storage buffer formulation.