

Mouse Anti-IgD [IgD26]: MC0584, MC0584RTU7

Intended Use: For Research Use Only

Description: Immunoglobulins are produced by cells of the B-lymphocyte lineage. Based on differences in the heavy chain, five immunoglobulin isotypes are known as IgA, IgG, IgM, IgD and IgE. Human IgD exists in two forms: secreted IgD (secIgD), present in small amounts in human serum, and membrane-bound IgD (mIgD), present on the surface of mature B-cells. mIgD is co-expressed with membrane-bound IgM (mIgM) and plays a major role as an antigenic receptor on the surface of B-lymphocytes. IgD is expressed in normal and neoplastic mantle B-cells. It is absent in most cells of normal splenic marginal zone but present in 30% to 40% of splenic marginal zone lymphomas (MZLs). Additionally, IgD may be a marker for the identification of nodular lymphocyte predominant hodgkin lymphoma. Antibody to IgD is useful for classification of B-cell derived lymphomas and plasmacytomas.

Specifications:

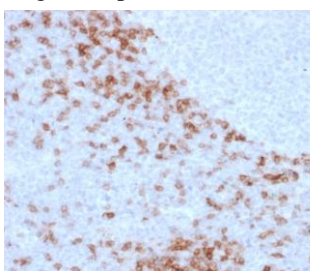
Clone: IgD26
 Source: Mouse
 Isotype: IgG1k
 Reactivity: Human
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., IF
 Package:

Description	Catalog No.	Size
IgD Concentrated	MC0584	1 ml
IgD Prediluted	MC0584RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil
 Concentrated Dilution: 50-200
 Pretreatment: EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 min @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human lymph node stained with anti-IgD using DAB

References:

1. Total serum IgD from healthy and sick dogs with leishmaniosis. Martínez-Orellana P et al. Parasit Vectors. 2019.
2. Serum immunoglobulin D levels in patients with Behçet's disease according to different clinical manifestations. Lucherini OM et al. Clin Exp Rheumatol. 2018.
3. Establishment of a combination scoring method for diagnosis of ocular adnexal lymphoproliferative disease. Qu XL, et al. PLoS One 12:e0160175, 2017.

Doc. 100-MC0584
Rev. A