

Rabbit Anti-IgD [EPR6146]: RM0111, RM0111RTU7

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:

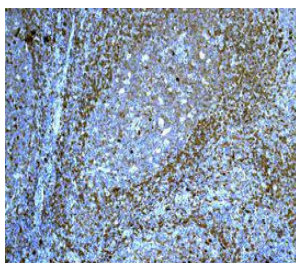
Clone: EPR6146 equivalent to EP173
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Localization: Cytoplasm
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤0.09% sodium azide (NaN3).
 Storage: Store at 2°- 8°C
 Applications: IHC
 Package:

Description	Catalog No.	Size
IgD Concentrated	RM0111	1 ml
IgD Prediluted	RM0111RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 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 tonsil 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-RM0111
Rev. B