

# IgD Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50130

Clone# BP6134

**Predicted Molecular Wt:** 42kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P01880

## Background:

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 (seIgD), 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.

## Subcellular location:

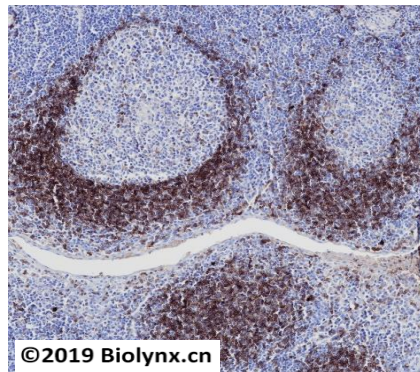
Cytoplasm

## Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

## Immunogen:

Synthetic peptide corresponding to residues within aa50-150 of Human IgD was used as an immunogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of human tonsil tissue labelling IgD with BP6134. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

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## Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

## Storage conditions:

-20°C

## Storage instructions:

Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

## Recommended Dilutions:

IHC-P: 1:100-1:200

## Background References:

1. Leong AS, et al., Geenwich Medical Media Ltd. 1999; 217-219.
2. Arnold A, et al., New Eng J Med 1983; 309:1593-1599.

Product QC'd by:



For research use only. Not for use in diagnostic or therapeutic applications.