



# Rabbit Anti-Human IGHD Monoclonal Antibody, clone CQ7245 (CABT-Z287R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide corresponding to residues within aa50-150 of Human IgD was used as an immunogen.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	CQ7245
<b>Purification</b>	ProA affinity purified IgG.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P Recommended concentration: IHC-P: 1:100-1:200
<b>Molecular Weight</b>	42 kDa
<b>Cellular Localization</b>	Cytoplasm
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

<b>Preservative</b>	0.01% Sodium azide
<b>Storage</b>	Store at -20 °C. Avoid freeze/thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	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 (seclgD), present in small amounts in human serum, and membrane-bound IgD (mlgD), present on the surface of mature B cells. MlgD is co-expressed with membrane-bound IgM (mlgM) 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.
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<b>Keywords</b>	IGHD; immunoglobulin heavy constant delta; IgD; Igh-5
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## GENE INFORMATION

<b>Gene Name</b>	IGHD
<b>UniProt ID</b>	<a href="#">P01880</a>