



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

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

PRODUCT INFORMATION

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

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

BACKGROUND

Introduction	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.
Keywords	IGHD; immunoglobulin heavy constant delta; IgD; Igh-5

GENE INFORMATION

Gene Name	IGHD
UniProt ID	P01880