



Rabbit Anti-Human IGLC1 Monoclonal Antibody, clone CQ7244 (CABT-Z286R)

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

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to residues within N-terminus of Immunoglobulin lambda constant 1 was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7244
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	23 kDa
Cellular Localization	Cytoplasm
Positive Control	Tonsil
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	Lambda light chains are polypeptide chains located in the cell membrane and cytoplasmic regions of normal B cells and plasma cells. The combination of lambda light chains and heavy chains forms immunoglobulin molecules. There are two classes of light chains found in immunoglobulins, kappa light chains and lambda light chains. Light chain production by lymphoid cells is genetically restricted such that the immunoglobulin molecules produced by an individual cell will only contain a single light chain class. The normal human kappa/lambda ratio is approximately 2:1. The presence of clear cut light chain restriction with a kappa/lambda ratio more than 10:1 is consistent with a malignant proliferation. This antibody recognizes lambda light chains of human immunoglobulins, which may be useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. The most common feature of these malignancies is the restricted expression of a single light chain class.
Keywords	IGLC1; immunoglobulin lambda constant 1 (Mcg marker); IGLC

GENE INFORMATION

Gene Name	IGLC1
UniProt ID	P0CG04
