

Product datasheet

Anti-Lambda Light chain antibody [N10/2] ab780

Overview

Product name	Anti-Lambda Light chain antibody [N10/2]
Description	Mouse monoclonal [N10/2] to Lambda Light chain
Specificity	This antibody is specific for Lambda Light Chains It does not show any cross-reactivity with kappa light chain and stains B cell follicles in human lymphoid tissues.
Tested applications	Suitable for: IHC-Fr, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Purified IgG from human serum.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.05% Sodium Azide Constituents: 1% BSA, Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	N10/2
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab780** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		
IHC-P		

Application notes

IHC: This antibody may be diluted to a titer of 1:25-1:75 in an ABC method.
Staining Protocol: We suggest an incubation period of 30-60 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation conditions and antibody dilutions should be determined by the user.
Enzymatic antigen retrieval of formalin fixed paraffin embedded tissue sections is required prior to immunostaining.

Target

Relevance

All five immunoglobulin classes share the same basic four polypeptide chain structure of two heavy-chains and two light chains. There are five heavy chain types, and two light-chain types (Kappa and Lambda) both having a molecular weight of 22.5kDa. Any heavy-chain type can associate with either light-chain type, but on any immunoglobulin molecule both light-chains are of the same type. Kappa and Lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of Kappa to Lambda is 70:30, the vast majority of which is bound to heavy-chain in immunoglobulin. In normal individuals low levels of free light-chain are present in serum (kappa, 1.6-15.2 mg/L; Lambda, 0.4-4.2mg/L), with the occurrence of multiple myeloma or other B-cell malignancies these levels can be greatly elevated and can be found at high levels in the urine (Bence-Jones proteins).

Cellular localization

Cytoplasmic

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