

MYD88 L265P Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50265

Clone# BP6242

Predicted Molecular Wt: 33kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q99836

Background:

Myeloid differentiation factor 88 (MYD88), a primary differentiation response gene in Myeloid precursors, was discovered in 1990s. MYD88 is a universal connexin containing three main structures: N-terminal death domain (DD), intermediate connexin domain (ID), and C-terminal Toll/ interleukin-1 receptor domain (TIR). After ligand binding, the cytoplasmic TIR domain of toll-like receptor (TLR) or IL1R binds to TIR of MYD88.

The most common point mutation in MYD88 is the replacement of leucine (Leu) with proline (Pro) at site 265, known as the MYD88 L265P mutation. A recurrent MYD88 L265P mutation was first identified in diffuse Large B-cell lymphoma (DLBCL). This mutation is rare or absent in PATIENTS with CMB-DLBCL, primary mediastinal B-cell lymphoma, and Burkitt's lymphoma.

Macroglobulinemia of Fahrenheit (WM)/lymphoplasmacytic lymphoma (LPL) is an indolant non-Hodgkin's lymphoma with a low clinical incidence. MyD88 L265P mutation is accounted for 87% of WM.

Subcellular location:

Cytoplasmic

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. This information is proprietary to Biolynx.

Storage Buffer:

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

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

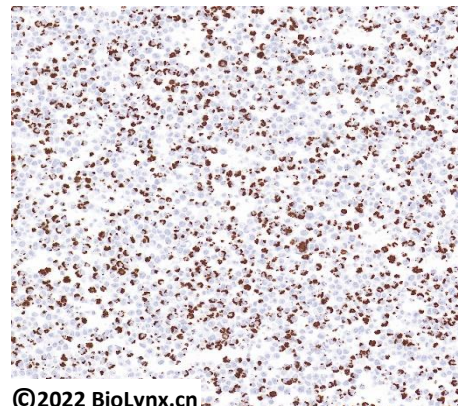
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200


Background References:

1. Vu N. Ngo, et al. Nature. 2011 February 3; 470(7332): 115-119.
2. Xose S. Puente, et al. Nature. 2011 JULY 7; 475: 110-115.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of overexpressed MYD88 L265P HEK293 cells labelling MYD88 L265P with BP6242.

Product QC'd by: 

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