

## CD19 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50041

Clone# BP6046

**Predicted Molecular Wt:** 61kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P15391

### Background:

The human CD19 antigen is a transmembrane glycoprotein belonging to the immunoglobulin (Ig) superfamily, which initiates a series of biological responses that are likely to be of central importance to B-cell signaling and/or growth regulation and the development of a humoral immune response.

CD19 is specifically expressed in normal and neoplastic B cells, as well as follicular dendritic cells. In normal tissues, it is expressed from pre-B cells until the terminal differentiation to plasma cells. And in tumors, its expression is highly conserved on most B cell tumors. It is expressed in most acute lymphoblastic leukemias (ALL), chronic lymphocytic leukemias (CLL) and B cell lymphomas.

CD19 is one of the most reliable surface biomarker for B cells and the CD19 monoclonal antibodies have been explored for lymphoma therapy.

### Subcellular location:

Membrane

### 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 corresponding to CD19 residues within aa456-556 of CD19 was used as an immunogen.

### Storage Buffer:

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

### Storage conditions:

-20°C

### Storage instructions:

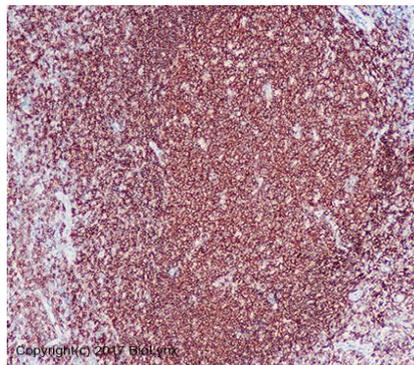
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Wang K, et.al, Exp Hematol Oncol. 2012 Nov 29;1(1):36.
2. Hammer O, et.al, MAbs. 2012 Sep-Oct;4(5):571-7.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections analysis of tonsil tissue labelling CD19 with BP6046. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

Product QC'd by:



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