

## CD44 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50127

Clone# BP6131

**Predicted Molecular Wt:** 82kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P16070

### Background:

CD44 is an adhesion molecule, which binds hyaluronic acid and participates in a number of cell-cell interactions, including lymphocyte homing.

CD44 is expressed on approximately 90% of lymphocytes, monocytes, granulocytes, and, in lower amounts on thymocytes, fibroblasts, and erythrocytes.

The expression of specific cell adhesion molecule CD44 splice variants has been reported to be associated with metastasis in certain human malignancies.

### 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. Primary antibody is diluted with PBS buffer (pH7.2-7.4).

### Immunogen:

Synthetic peptide corresponding to residues within aa150 to aa250 of CD44 was used as an immunogen.

### Storage Buffer:

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

### Storage conditions:

-20°C

### Storage instructions:

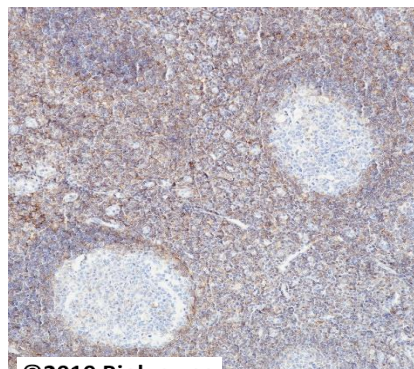
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

1. Mansoori M et al. Exp Mol Pathol 109:25-35 (2019).
2. Song Y et al. Sci Rep 8:16100 (2018).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of tonsil labelling CD44 with BP6131. 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.