

Rev.: 2020-6-28

## CD56 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# YX87105

Clone# BP6156

**Predicted Molecular Wt:** 95kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P13591

### Background:

CD56, also known as neural cell adhesion molecule (NCAM), is a calcium-independent homophilic binding protein that belongs to a group of cell adhesion molecules including cadherins, selectins, and integrins. CD56 is involved in cell-cell adhesion of neural cells during embryogenesis and is expressed on most neuroectodermally derived tissues. In normal tissue, anti-CD56 labels neurons, glia, schwann cells, NK (natural killer) cells, and a subset of T-cells. CD56 expression can be seen in most NK cell neoplasms, certain subtypes of T-cell lymphoma and in some plasma cell neoplasms.

### Subcellular location:

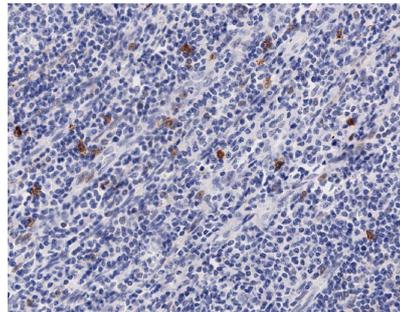
Membrane

### 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 within Human NCAM1.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling CD56 with BP6156. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0

### Storage Buffer:

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

### Storage conditions:

-20°C

### Storage instructions:

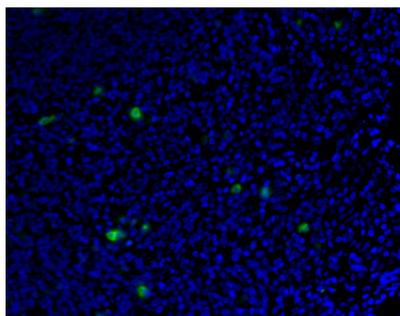
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

### Recommended Dilutions:

IHC-P: 1:100-1:200

### Background References:

- Thoulouze M.I., et al. J. Virol. 72:7181-7190(1998)
- Feng Q et al. et al. J Cell Physiol 234:6561-6581 (2019).



Fluorescence multiplex immunohistochemical analysis of human tonsil tissue (formalin-fixed paraffin-embedded section). The section was pretreated using heat mediated antigen retrieval with Tris/EDTA buffer (pH 9.0). Then incubated with YX87105 (green) at 1/200 dilution for 30mins at room temperature, followed by a further incubation with goat antimouse +rabbit HRP polymer (Yuanxibio, #A10011-30) at room temperature for 10mins. Then the section was labelled with Neon TSA 520 (Yuanxibio, #D110011) for 10mins. DAPI (blue) was used as a nuclear counter stain.

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