

## MHC II

### Recombinant Rabbit Monoclonal Antibody

### Product Datasheet

Catalog# BX50293

Clone# BP6270

**Predicted Molecular Wt:** 29&29&28&28kDa

**Species Cross-reactivity:** Human

**Applications:** IHC-P

**Purity:** ProA affinity purified IgG

**Form:** Liquid

**Swissprot ID:** P01903&P20036&P01909&P01906

#### Background:

Major histocompatibility complex class II (MHC II) molecules are heterodimeric, transmembrane glycoproteins expressed on the surface of antigen-presenting cells such as macrophages, dendritic cells, and B cells. Expression can also be induced on other cell types through interferon- $\gamma$  signaling. Prior to being displayed on the cell membrane, MHC class II molecules are loaded with exogenous peptide antigens approximately 15-24 amino acids in length that were derived from endocytosed extracellular proteins digested in the lysosome. Antigen-presentation through MHC class II is required for T cell activation during the immune response to extracellular pathogens. In humans, the MHC class II protein complex is encoded by the human leukocyte antigen gene complex (HLA).

MHC II is expressed in normal cells and various tumor tissues.

MHC II is mainly used for multiple fluorescence immunohistochemistry.

#### 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. 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.

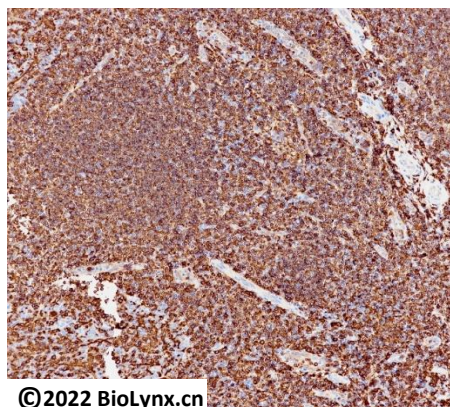
#### Recommended Dilution:

IHC-P: 1:100-1:200

#### Background References:

1. Temponi, M. et al. J Immunol Methods 161 (1993) .

2. Ting, J.P. and Trowsdale, J. Cell 109 Suppl (2002) .



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil labelling MHC II with BP6270.

Product QC'd by:



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