

MHC II (DR α chain) Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50193

Clone# BP6171

Predicted Molecular Wt: 29kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P01903

Background:

Major histocompatibility complex class II (MHC class 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- γ 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).

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 near C-terminal residues in Human MHC II (DR α chain) was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

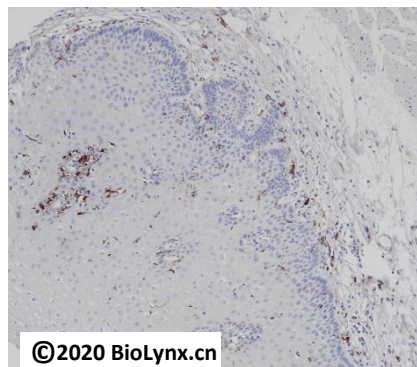
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. Temponi, M. et al. J Immunol Methods 161 (1993) .
2. Ting, J.P. and Trowsdale, J. Cell 109 Suppl (2002) .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human esophagus tissue labelling DR α chain of MHC II with BP6171. 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.