

CD25 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50116

Clone# BP6120

Predicted Molecular Wt: 31kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P01589

Background:

CD25, or interleukin 2 (IL2) receptor alpha (IL2RA), and beta (IL2RB) chains, together with the common gamma chain (IL2RG), constitute the high-affinity IL2 receptor. Homodimeric alpha chains (CD25) result in low-affinity receptor, while homodimeric beta (IL2RB) chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble CD25 has been isolated and determined to result from extracellular proteolysis. CD25 (the p55 chain of the interleukin-2 receptor) is a marker of activation for a number of cell types, including T cells, B cells, and macrophages. It also appears to be a reliable immunohistochemical marker for the discrimination of neoplastic from normal/reactive mast cells, with potential as a diagnostic tool in systemic mastocytosis. CD25 is also expressed on hairy cell leukemia.

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:

Recombinant fragment corresponding to Human IL-2 Receptor alpha with aa1-250 was used as an immunogen.

Storage Buffer:

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

Storage conditions:

-20°C

Storage instructions:

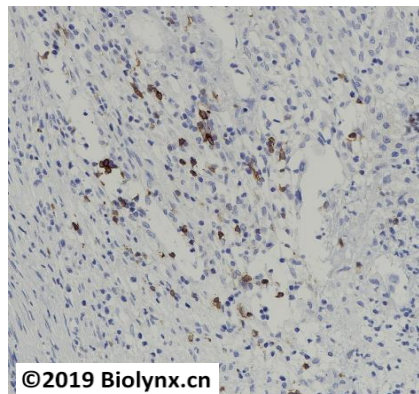
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

IHC-P: 1:100-1:200

Background References:

1. N.A. Azab, et al. Clinical Immunology. 2008 127(2):151-157.
2. Zhang B, et al. Ann Rheum Dis 2008;67:1037-1040.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of colon carcinoma tissue labelling CD25 with BP6120. 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.