

CD155 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50372

Clone# BP6339

Predicted Molecular Wt: 45kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P15151

Background:

CD155 (also known as poliovirus receptor, PVR) is an immunoglobulin superfamily (IgSF) transmembrane glycoprotein. Its main functions include mediating immune regulation, promoting cell adhesion, and serving as an infection receptor for pathogens such as poliovirus.

CD155 is widely expressed in normal epithelial and endothelial cells. It is frequently overexpressed in various solid tumors and associated with immune evasion.

CD155 serves as a diagnostic and prognostic biomarker in pathology, with its overexpression often correlating with advanced tumor stage and poor patient survival. Its expression level in tumor tissue can help assess the immunosuppressive tumor microenvironment and predict potential resistance to certain therapies. Detection of CD155 via immunohistochemistry is being investigated to guide patient stratification for therapies targeting the TIGIT/CD155 immune checkpoint axis.

Subcellular location:

Membrane/Secreted

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:

The synthetic peptide corresponding to Human CD155 aa 368-417

Storage Buffer:

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

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

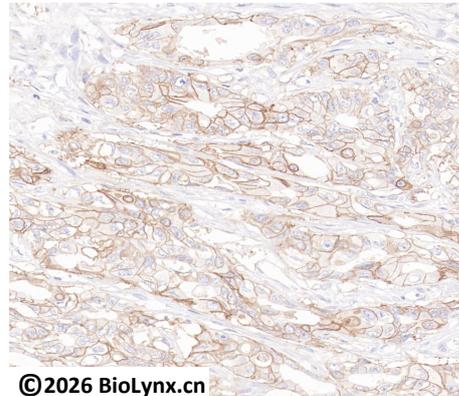
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. Tane, S. et al. (2013) Exp Mol Pathol 94, 330-5.
2. Nakai, R. et al. (2010) Cancer Sci 101, 1326-30.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human gastric cancer labelling CD155 with BP6339.

Product QC'd by: 

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