

**Rabbit Anti-CD155/PVR [MD212R]: RM0266, RM0266RTU7**

**Intended Use:** For Research Use Only

**Description:** CD155 aka the poliovirus receptor (PVR) or nectinlike molecule 5 (Nect-5), a member of the nectin family of cell adhesion molecules and tumor antigen, is ectopically expressed in certain cancers, such as glioblastoma multiforme (GMB) and lung adenocarcinoma, and plays an important role in tumor cell migration, invasion, and metastasis. Studies show that CD155-positivity was associated with aggressive tumor behavior, and was a factor to predict a poor prognosis. Its prognostic impact was enhanced when combined with PD-L1 expression status. CD155 expression in glioblastoma cells renders them susceptible to PV infection and killing, an indispensable aspect of PVSRIPO immunotherapy (oncolytic polio-rhinovirus recombinant vaccine). Availability of a robust IHC assay for detecting CD155 will enable preclinical assessments of the suitability of PVSRIPO immunotherapy in cancers.

**Specifications:**

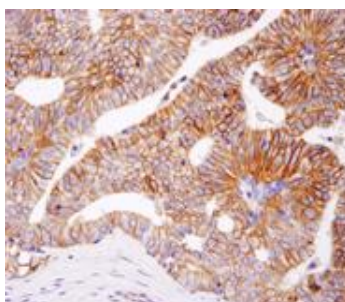
Clone: MD212R  
 Source: Rabbit  
 Isotype: IgG  
 Reactivity: Human  
 Immunogen: Synthetic peptide to human CD155 protein Asn188  
 Localization: Membrane, secreted  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, WB  
 Package:

Description	Catalog No.	Size
CD155/PVR Concentrated	RM0266	1 ml
CD155/PVR Prediluted	RM0266RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Breast cancer, lung cancer, colon cancer  
 Concentrated Dilution: 10-100  
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human prostate cancer stained with anti-CD155 using DAB

**References:**

1. Immunohistochemical analysis of CD155 expression in triple-negative breast cancer patients. Katsuhiro Yoshikawa, et al. PLoS One. Jun 11;16(6):e0253176, 2021.
2. Validation of an Immunohistochemistry Assay for Detection of CD155, the Poliovirus Receptor, in Malignant Gliomas
3. Vidyalakshmi Chandramohan, et al. Pathol Lab Med. December ; 141(12): 1697–1704, 2017.