

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

Intended Use: For Research Use Only

Description: CD155 aka the poliovirus receptor (PVR) or nectinlike molecule 5 (Nectl-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:

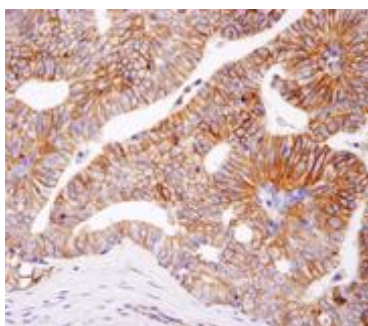
Clone: MD212R
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Immunogen: Synthetic peptide to human CD155 protein Asn188
 Localization: Membrane, secreted
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, WB
 Package:

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 using Pressure Cooker, or 30-60 minutes using 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. Katsuhiko 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.

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