

Rabbit Anti-CD63 [EP211]: RM0049

Intended Use: For Research Use Only

Description: CD63 is a 53 kDa lysosomal membrane glycoprotein that has been identified as a platelet activation molecule that belongs to the tetraspanin family, which is characterized by the presence of four hydrophobic domains. CD63 can mediate signal transduction events that play a role in the regulation of cellular adhesion, cell differentiation, migration, carcinogenesis and tumor progression. CD63 shows a broad tissue distribution and is predominantly localized in cytoplasmic lysosomes. It is mainly present on platelet lysosomes, granulocytes, basophils and a small percentage of resting T cells, while it is also strongly expressed in early melanoma, breast carcinoma, merkel cell carcinoma, astrocytoma and lung adenocarcinoma. Recent reports also indicate that CD63 is a good prognostic biomarker for human astrocytomas and earlier stages of lung carcinoma. Additionally, CD63 has been useful in differentiating renal oncocytomas (RO) from eosinophilic variants of chromophobe renal cell carcinomas (RCCs).

Specifications:

Clone: EP211
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Membrane, cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and ≤0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
CD63 Concentrated	RM0049	1 ml

IHC Procedure*:

Positive Control Tissue: Spleen, melanoma
Concentrated Dilution: 50-200
Pretreatment: EDTA pH8.0, 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.