

CoraLite[®] Plus 488-conjugated CD109 Monoclonal antibody

Catalog Number: **CL488-60179**

Basic Information

Catalog Number:

CL488-60179

Size:1000 μ g/ml**Source:**

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC152996

GeneID (NCBI):

135228

UNIPROT ID:

Q6YHK3

Full Name:

CD109 molecule

Calculated MW:

162 kDa

Observed MW:

162 kDa

Purification Method:

Protein G purification

CloneNo.:

2H8G7

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:**Species Specificity:**

human

Background Information

CD109, also named as CPAMD7, is a member of the alpha2-macroglobulin/complement superfamily. It is a glycosylphosphatidylinositol (GPI)-linked cell surface glycoprotein of approximately 170kd which is found on the cell surface of platelets, activated T-cells, and endothelial cells. CD109 binds to and negatively regulates signaling of transforming growth factor beta (TGF-beta). CD109 has been identified as part of the TGF-beta receptor system in human keratinocytes. Up regulation of CD109 expression has been observed in several different types of tumor. CD109 is a glycosyl-phosphatidylinositol-anchored glycoprotein that is a member of the a2-macroglobulin/C3, C4, C5 family of thioester-containing proteins. There're 2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form. The antibody can recognize all these 4 isoforms.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

