

CD73 antibody [4G4]

Cat. No. GTX54475

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IHC-Fr, FCM, IP, Neutralizing/Inhibition
Reactivity	Human

Package
50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-Fr	Assay dependent
FCM	Assay dependent
IP	Assay dependent
Neutralizing/Inhibition	Assay dependent

Note : HUVEC cells were seeded on gelatin-coated coverslips and stained with antibody.

Tissue sections were fixed in acetone.- As positive control anti-CD31 was used and as negative control an isotype antibody.

Antibody 4G4 functions as an inhibitor of lymphocyte binding to HUVEC. The antibody was functionally tested by incubating the lymphocytes with the antibody before adding the lymphocytes to an EC monolayer. Furthermore the monoclonal antibody 4G4 causes a reduction in CD73 expression on lymphocytes and reduces enzyme activity.

Not tested in other applications.

Calculated MW	63 kDa. (Note)
Product Note	This antibody stains the extracellular domain of CD73. The monoclonal antibody 4G4 recognizes both membrane bound and soluble human CD73, also known as ecto-5'-nucleotidase. The monoclonal antibody 4G4 causes a reduction in CD73 expression on lymphocytes, reduces enzyme activity, and inhibits the binding of lymphocytes to endothelial cells.

Properties

Form	Liquid
Buffer	Filter-sterilized PBS, 0.1% BSA
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
Concentration	100 µg/ml (Please refer to the vial label for the specific concentration.)



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Immunogen	Inflamed synovial stroma from rheumatoid arthritis patients
Purification	Protein G purified
Endotoxin	< 24 EU/mg (Determined by LAL assay)
Conjugation	Unconjugated
Note	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.</p>



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