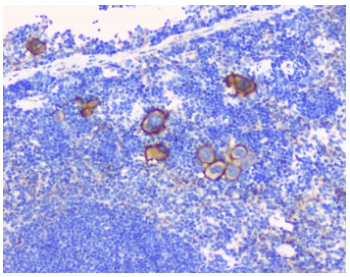
CD229 Antibody / Ly9 (RQ4650)

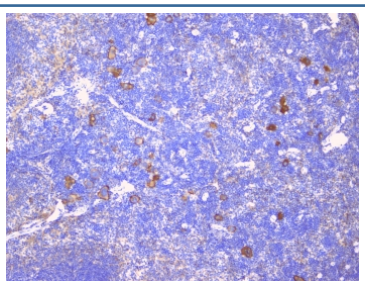
Catalog No.	Formulation	Size
RQ4650	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9HBG7
Localization	Plasma membrane, cytoplasm
Applications	IHC (FFPE): 1-2ug/ml FACS: 1-3ug/10^6 cells



IHC staining of FFPE mouse spleen with CD229 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



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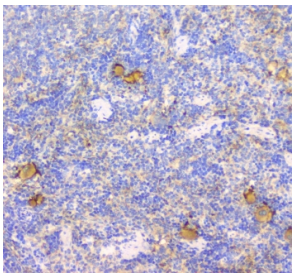
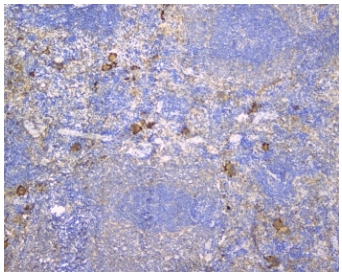
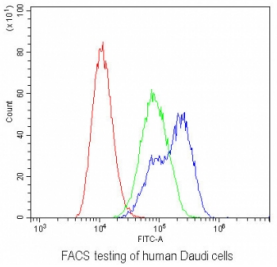


IHC staining of FFPE rat spleen with CD229 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

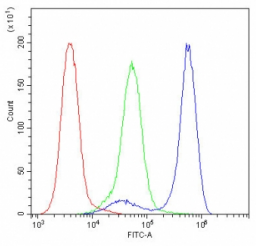


IHC staining of FFPE rat spleen with CD229 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



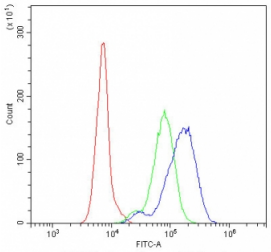
FACS testing of human Daudi cells

Flow cytometry testing of human Daudi cells with CD229 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CD229 antibody.



FACS testing of human Jurkat cells

Flow cytometry testing of human Jurkat cells with CD229 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CD229 antibody.



FACS testing of human U937 cells

Flow cytometry testing of human U937 cells with CD229 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= CD229 antibody.

Description

T-lymphocyte surface antigen Ly-9 is a protein that in humans is encoded by the LY9 gene. This gene is mapped to 17q21.31. LY9 has also recently been designated CD229 (cluster of differentiation 229). LY9 belongs to the SLAM family of immunomodulatory receptors and interacts with the adaptor molecule SAP.

Application Notes

Optimal dilution of the CD229 antibody should be determined by the researcher.

Immunogen

Amino acids YKAQINQRNFEVTTEEEFTLFVYEQLQEPQVTMK were used as the immunogen for the CD229 antibody.

Storage

After reconstitution, the CD229 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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