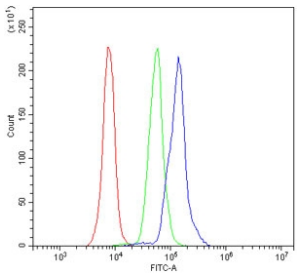
Cd82 Antibody (RQ5709)

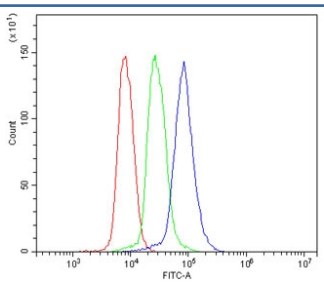
Catalog No.	Formulation	Size
RQ5709	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

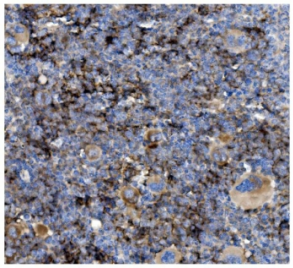
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P40237
Applications	Immunohistochemistry: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Cd82 antibody is available for research use only.



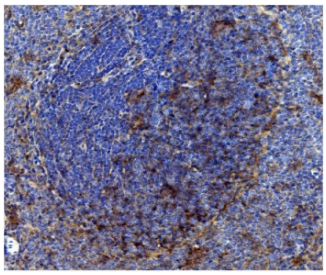
Flow cytometry testing of mouse PBM cells with Cd82 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cd82 antibody.



Flow cytometry testing of mouse spleen cells with Cd82 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Cd82 antibody.



IHC staining of FFPE mouse spleen with Cd82 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat spleen with Cd82 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

CD82 (Cluster of Differentiation 82), also named KAI1, is a human protein encoded by the CD82 gene. The gene is mapped to 11p11.2. This metastasis suppressor gene product is a membrane glycoprotein that is a member of the transmembrane 4 superfamily. Expression of this gene has been shown to be downregulated in tumor progression of human cancers and can be activated by p53 through a consensus binding sequence in the promoter. The expression of CD82 protein appears to be correlated with lymph node metastasis in esophageal squamous cell carcinoma(ESCC). And the CD82 overexpression can suppress tumor invasiveness and metastatic potential by inducing MMP9 inactivation via upregulation of TIMP1.

Application Notes

Optimal dilution of the Cd82 antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids V32-Y266) was used as the immunogen for the Cd82 antibody.

Storage

After reconstitution, the Cd82 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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