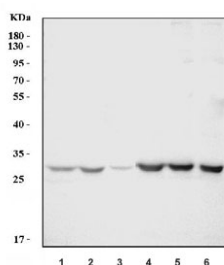


Cd70 Antibody (RQ6964)

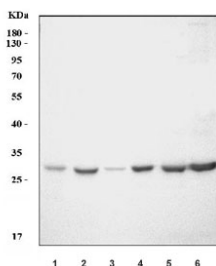
Catalog No.	Formulation	Size
RQ6964	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

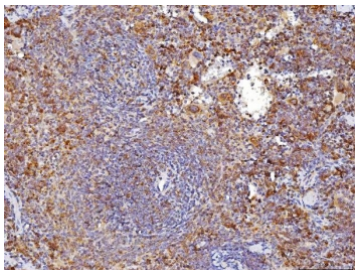
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O55237
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Cd70 antibody is available for research use only.



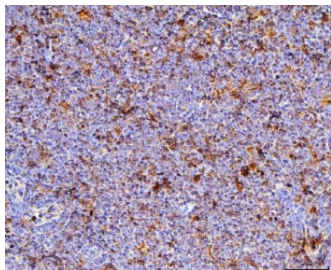
Western blot testing of mouse 1) spleen, 2) thymus, 3) lung, 4) RAW264.7, 5) Ana-1 and 6) SP2/0 cell lysate with Cd70 antibody. Predicted molecular weight ~21 kDa but may be observed at up to ~80 kDa due to glycosylation.



Western blot testing of 1) rat spleen, 2) rat thymus, 3) rat lung, 4) rat L6, 5) rat PC-12 and 6) mouse B16 cell lysate with Cd70 antibody. Predicted molecular weight ~21 kDa but may be observed at up to ~80 kDa due to glycosylation.



IHC staining of FFPE mouse spleen tissue with Cd70 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse lymph node tissue with Cd70 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

CD70 (Cluster of Differentiation 70) is a protein that in humans is encoded by CD70 gene. The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.

Application Notes

Optimal dilution of the Cd70 antibody should be determined by the researcher.

Immunogen

Recombinant mouse Cd70 protein (amino acids C36-Q191) was used as the immunogen for the Cd70 antibody.

Storage

After reconstitution, the Cd70 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.