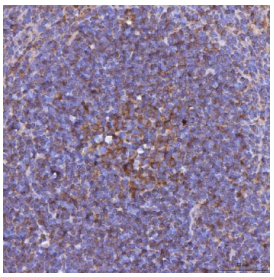
Light Antibody / Tnfsf14 (RQ7564)

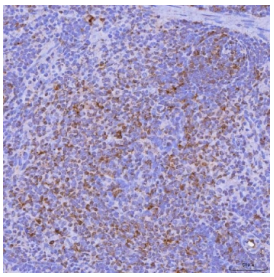
Catalog No.	Formulation	Size
RQ7564	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

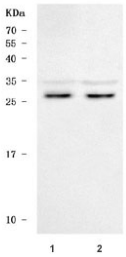
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9QYH9
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Light antibody is available for research use only.



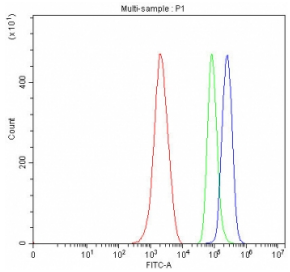
IHC staining of FFPE mouse spleen tissue with Light antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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



Western blot testing of 1) mouse thymus and 2) mouse RAW264.7 cell lysate with Light antibody. Predicted molecular weight ~26 kDa.



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

Description

Tumor necrosis factor ligand superfamily member 14 is a protein that in humans is encoded by the TNFSF14 gene. TNFSF14 has also been designated as CD258, as well as LIGHT. It was mapped on chromosome 19p13.3. The protein encoded by this gene is a member of the tumor necrosis factor(TNF) ligand family. This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. It has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported.

Application Notes

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

Immunogen

E. coli-derived recombinant mouse protein (amino acids M1-V239) was used as the immunogen for the Light antibody.

Storage

After reconstitution, the Light 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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