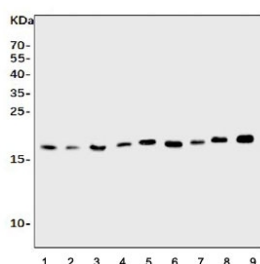


Il1ra Antibody / Interleukin-1 receptor antagonist / Il1rn (RQ6425)

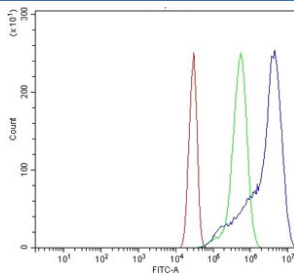
Catalog No.	Formulation	Size
RQ6425	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

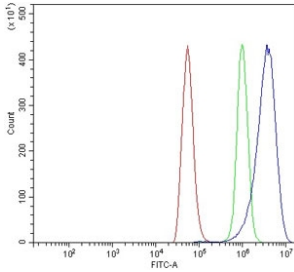
Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P25085
Localization	Cytoplasmic, secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Il1ra antibody is available for research use only.



Western blot testing of rat 1) spleen, 2) brain, 3) thymus, 4) kidney and mouse 5) spleen, 6) kidney, 7) RAW264.7 and 8) NIH 3T3 cell lysate with Il1ra antibody. Predicted molecular weight ~20 kDa.



Flow cytometry testing of mouse HEPA1-6 cells with II1ra antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= II1ra antibody.



Flow cytometry testing of rat NRK cells with II1ra antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= II1ra antibody.

Description

The interleukin-1 receptor antagonist (IL-1RA) is a protein that in humans is encoded by the IL1RN gene. The protein encoded by this gene is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.

Application Notes

Optimal dilution of the II1ra antibody should be determined by the researcher.

Immunogen

Recombinant mouse protein (amino acids K35-Q178) was used as the immunogen for the II1ra antibody.

Storage

After reconstitution, the II1ra antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.