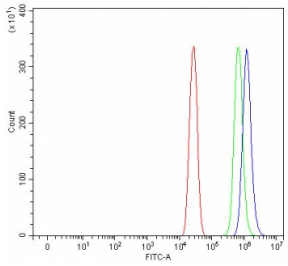
Proteasome maturation protein Antibody / POMP (RQ8065)

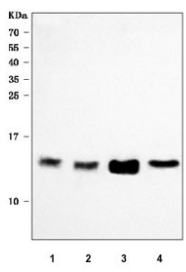
Catalog No.	Formulation	Size
RQ8065	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y244
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Proteasome maturation protein antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human A431 cells with Proteasome maturation protein antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Proteasome maturation protein antibody.



Western blot testing of human 1) HeLa, 2) Caco-2, 3) Jurkat and 4) HL60 cell lysate with Proteasome maturation protein antibody. Predicted molecular weight ~16 kDa.

Description

Proteasome maturation protein is a protein that in humans is encoded by the POMP gene. The protein encoded by this gene is a molecular chaperone that binds 20S preproteasome components and is essential for 20S proteasome formation. The 20S proteasome is the proteolytically active component of the 26S proteasome complex. The encoded protein is degraded before the maturation of the 20S proteasome is complete. A variant in the 5' UTR of this gene has been associated with KLICK syndrome, a rare skin disorder.

Application Notes

Optimal dilution of the Proteasome maturation protein antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids E9-L141) was used as the immunogen for the Proteasome maturation protein antibody.

Storage

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