DATASHEET

V5 tag Rabbit Monoclonal Antibody(ARA807)

CAT. NO. ARA6594

KEY FEATURES

Target	V5 tag	Source / Host	Rabbit
Reactivity	Species independent	Clonality	Monoclonal
Applications	WB,IF/ICC,FC,IP	Conjugation	Unconjugated
Storage	at-20°C		

BACKGROUND

The V5 epitope tag is derived from a small epitope (Pk) present on the P and V proteins of the paramyxovirus of simian virus 5 (SV5). The V5 tag is usually used with all 14 amino acids (GKPIPNPLLGLDST), and useful for western blotting, immunofluorescence and immunoprecipitation experiments, although they also find use in antibody purification.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:1000-1:2000
IF/ICC	1:2000-1:10000
FC	1:2000-1:10000
IP	1:50

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit Monoclonal Antibody to V5 tag
Antibody Type	Primary antibody
Predicted MW	Depending on customers' target of interest
Immunogen	GKPIPNPLLGLDST (V5 epitope) conjugated to KLH.
Purification	ProA affinity purified IgG
Form / Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.82%.
Alternative Names	simian virus 5 antibody; SPV5gp2; sv5; v-5; V5; V5 Epitope Tag

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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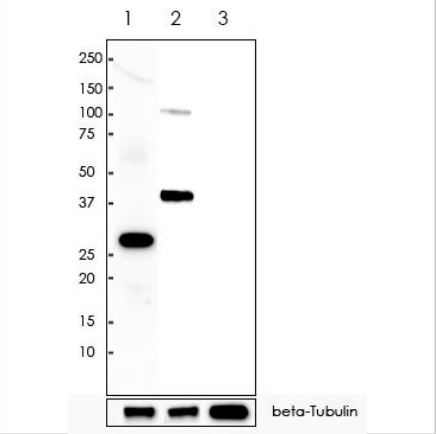
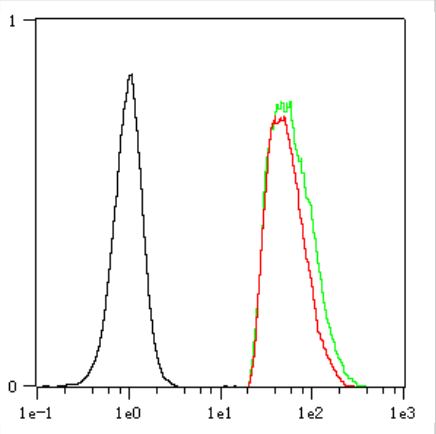
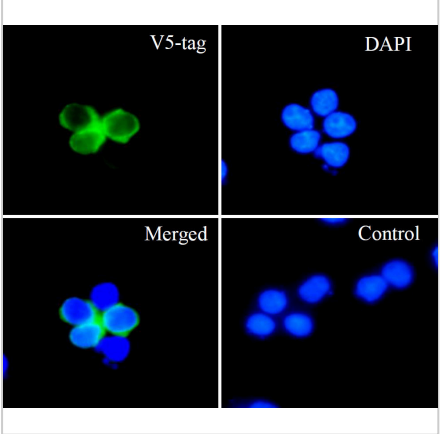


Predicted MW: Depend on fusion protein with V5 tag Lane 1: 293 cell lysates transfected with N-terminal V5 tagged gene (ARA807 at 1:2,000 dilution). Lane 2: 293 cell lysates transfected with C-terminal V5 tagged gene (ARA807 at 1:2,000 dilution). Lane 3: Mock 293 cell lysates (ARA807 at 1:2,000 dilution) All lanes : 2 µg per lane 2nd Ab: GAR HRP(H+L) 1:5,000 Exposure: 60s



Overlay histogram showing 293 cells transfected with N-terminal (Red) and C-terminal (Green) V5 tagged gene stained with ARA807. The cells were then incubated in the antibody (ARA807 , 1:10,000 dilution) in 1x PBS/1% BSA for 30 min at room temperature. The secondary antibody used was a Goat Anti-Rabbit Alexa Fluor® 488 (IgG H+L) at 1:2,000 dilution for 20 min at room temperature. Unlabelled sample (Black) was used as a control.



ARA807 staining V5 tag in 293 cells transfected with N-terminal V5 tagged gene by IF/ICC (immunofluorescence/immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 10% goat serum for half an hour at room temperature. Samples were incubated with primary antibody (1:10,000) at 4°C. An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG polyclonal was used as the secondary antibody (1:500). DAPI (blue) was used as the nuclear counter stain. Control: PBS and secondary antibody, An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG (1:500).

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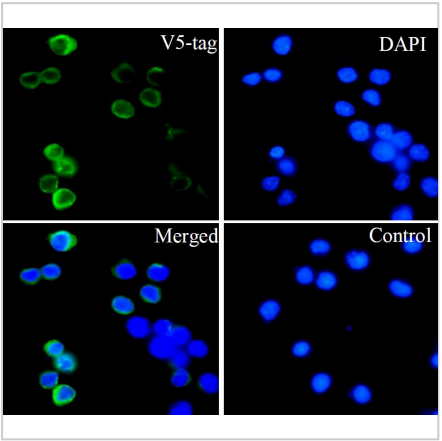
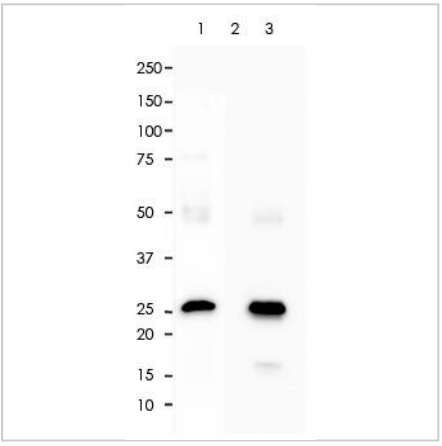


ARA807 staining V5 tag in 293 cells transfected with C-terminal V5 tagged gene by IF/ICC (immunofluorescence/immunocytochemistry). Cells were fixed with paraformaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 10% goat serum for half an hour at room temperature. Samples were incubated with primary antibody (1:10,000) at 4°C. An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG polyclonal was used as the secondary antibody (1:500). DAPI (blue) was used as the nuclear counter stain. Control: PBS and secondary antibody, An Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG (1:500).



V5 tag was immunoprecipitated from 0.1mg of 293 whole cell lysates transfected with N-terminal V5 tagged gene with ARA807 at 1:50 dilution. 2nd Ab: GAR HRP for IP 1:500 Lane 1: ARA807 IP in 293 whole cell lysates transfected with N-terminal V5 tagged gene Lane 2: PBS instead of ARA807 in 293 whole cell lysates transfected with N-terminal V5 tagged gene Lane 3: 293 whole cell lysate transfected with N-terminal V5 tagged gene, 4 µg (input) Exposure: 60s

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com