

**DATASHEET**

**V5-tag Mouse Monoclonal Antibody(C2067)**

CAT. NO. AMA01679

**KEY FEATURES**

Target	V5-tag	Source / Host	Mouse
Reactivity		Clonality	Monoclonal
Applications	WB, IF/ICC, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

**BACKGROUND**

The V5-tag is a 14-amino-acid peptide (GKPIPPLLGLDST) derived from a small epitope (Pk) found on the P and V proteins of the paramyxovirus of simian virus 5 (SV5). V5-tag is often used for detection and purification of recombinant proteins. Anti-V5 antibodies are widely used in WB, IP, IF, IHC, and FACS applications.

**APPLICATION**

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

WB	1:2000 - 1:5000
IF/ICC	1:200 - 1:500
IP	1:100 - 1:200

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

**PRODUCT OVERVIEW**

Description	Mouse monoclonal antibody to V5-tag
Specificity	Recognizes C-terminal, internal, and N-terminal V5-tag fusion proteins.
Antibody Type	Primary antibody,Tag
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of V5-tag. The exact sequence is proprietary.
Purification	Affinity chromatography
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

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

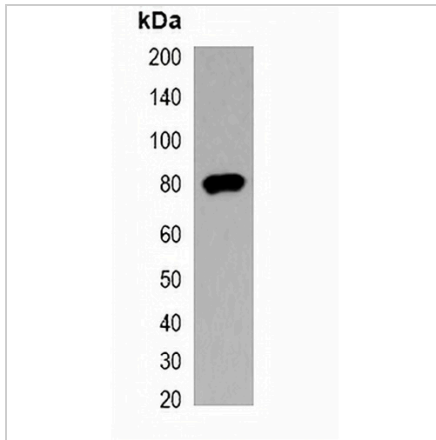
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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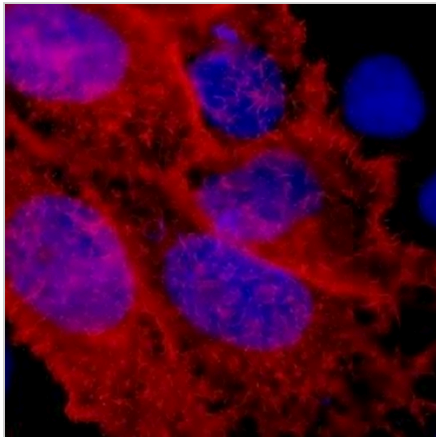
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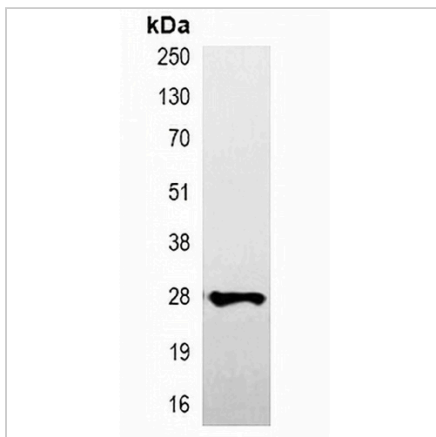
**DATA**



Western blot analysis of over-expressed V5-tagged protein in 293T cell lysate.



Immunofluorescent analysis of V5-tag staining in 293T cells transfected with a V5-tag protein. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunoprecipitation of V5-tagged protein from HEK293T cells transfected with vector overexpressing V5 tag, using Anti-V5-tag Antibody.

**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.