

# V5 Tag Monoclonal Antibody, AP

## Product Details

Size	125 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Conjugate	AP
Immunogen	V5 synthetic peptide: Gly-Lys-Pro-Ile-Pro-Asn-Pro-Leu-Leu-Gly-Leu-Asp-Ser-Thr-.
Form	Liquid
Concentration	1-2 mg/mL
Purification	purified
Storage buffer	PBS
Contains	0.01% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2556566

## Applications

## Tested Dilution

## Publications

Western Blot (WB)	1:1,000-1:5,000	3 Publications
Immunoprecipitation (IP)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

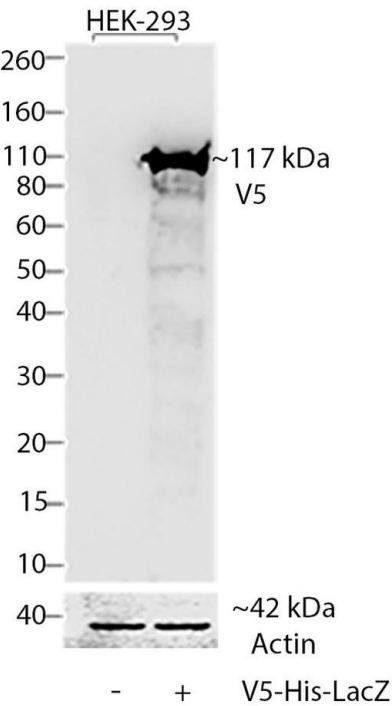
NOTE: R962-25 was previously sold under product #46-0287. When re-ordering, please use #R962-25.

R962-25 recognizes amino acid sequence: -Gly-Lys-Pro-Ile-Pro-Asn-Pro-Leu-Leu-Gly-Leu-Asp-Ser-Thr-.

This product contains enough material for 25 Western blots. Western blot experiments with 100 ng of recombinant Positope™ control protein gave a detectable signal within 15 minutes using a chromogenic substrate. The Positope™ control protein is a 53 kDa recombinant protein that contains seven epitope tags, including His(C-term), HisG, c-myc, and V5. For Western blot, we recommend diluting the AP-conjugated antibody in Tris-Buffered Saline (TBS) containing 0.1% (v/v) Tween-20 and 1% (w/v) nonfat dry milk.

In Western blot applications, no cross-reactivity has been observed in bacterial lysates.

Product Images For V5 Tag Monoclonal Antibody, AP



V5 Tag Antibody (R962-25) in WB

Western blot analysis of V5 tag was performed by loading 20 µg of whole cell extracts of untransfected HEK-293 and HEK-293 cells transiently overexpressing V5-His- LacZ using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002), and Novex® Sharp Pre-Stained Protein Standard (LC5800). Proteins were transferred to a PVDF membrane and blocked with 5% skim milk for 1 hour at room temperature. V5-His- LacZ was detected at ~117 kDa using V5-AP Mouse Monoclonal Antibody (Product # R962-25) at 1:3000 dilution in 2.5% skim milk at 4°C overnight on a rocking platform. Chemiluminescent detection was performed using Novex® AP chemiluminescent detection kit (SLF1022).

Western Blot (3)

Cell	Year 2021
<b>Humans with inherited T cell CD28 deficiency are susceptible to skin papillomaviruses but are otherwise healthy.</b>	Species Tag
"R962-25 was used in Western Blotting to conclude that human CD28-dependent T cell responses are largely redundant for protective immunity."	
Authors: Béziat V,Rapaport F,Hu J,Titeux M,Bonnet des Claustres M,Bourgey M,Griffin H,Bandet É,Ma CS,Sherkat R,Rokni-Zadeh H,Louis DM,Changi-Ashtiani M,Delmonte OM,Fukushima T,Habib T,Guennoun A,Khan T,Bender N,Rahman M,About F,Yang R,Rao G,Rouzaud C,Li J,Shearer D,Balogh K,Al Ali F,Ata M,Dabiri S,Momenilandi M,Nammour J,Alyanakian MA,Leruez-Ville M,Guenat D,Materna M,Marcot L,Vladikine N,Soret C,Vahidnezhad H,Youssefian L,Saeidian AH,Uitto J,Catherinot É,Navabi SS,Zarhrate M,Woodley DT,Jeljeli M,Abraham T,Belkaya S,Lorenzo L,Rosain J,Bayat M,Lanternier F,Lortholary O,Zakavi F,Gros P,Orth G,Abel L,Prétet JL,Fraitag S,Jouanguy E,Davis MM,Tangye SG,Notarangelo LD,Marr N,Waterboer T,Langlais D,Doorbar J,Hovnanian A,Christensen N,Bossuyt X,Shahrooei M,Casanova JL	

The Journal of experimental medicine	Year 2016
<b>Dual T cell- and B cell-intrinsic deficiency in humans with biallelic RLTPR mutations.</b>	Species Tag
"R96225 was used in western blot to identify RLTPR in patients and determine the effects of these mutations on CD4 positive T cells"	
Authors: Wang Y,Ma CS,Ling Y,Bousfiha A,Camcioglu Y,Jacquot S,Payne K,Crestani E,Roncagalli R,Belkadi A,Kerner G,Lorenzo L,Deswarte C,Chrabieh M,Patin E,Vincent QB,Müller-Fleckenstein I,Fleckenstein B,Ailal F,Quintana-Murci L,Fraitag S,Alyanakian MA,Leruez-Ville M,Picard C,Puel A,Bustamante J,Boisson-Dupuis S,Malissen M,Malissen B,Abel L,Hovnanian A,Notarangelo LD,Jouanguy E,Tangye SG,Béziat V,Casanova JL	

[View more WB references on thermofisher.com](#)

Immunoprecipitation (1)

The EMBO journal	Year 2021
<b>DNA polymerase zeta contributes to heterochromatin replication to prevent genome instability.</b>	
"Published figure using V5 Tag monoclonal antibody (Product # R962-25) in Immunoprecipitation"	
Authors: Ben Yamin B,Ahmed-Seghir S,Tomida J,Despras E,Pouvelle C,Yurchenko A,Goulas J,Corre R,Delacour Q,Droin N,Dessen P,Goidin D,Lange SS,Bhetawal S,Mitjavila-Garcia MT,Baldacci G,Nikolaev S,Cadoret JC,Wood RD,Kannouche PL	

Miscellaneous PubMed (1)

The Journal of biological chemistry	Year 2015
<b>Conserved overlapping gene arrangement, restricted expression, and biochemical activities of DNA polymerase (POLN).</b>	Species Tag
"R962-25 was used in immunoprecipitation to study the expression, biological roles, and biochemical activities of DNA polymerase v"	
Authors: Takata K,Tomida J,Reh S,Swanhart LM,Takata M,Hukriede NA,Wood RD	

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