



Product datasheet

Anti-V5 tag antibody [E10] ab53418

★★★★★ [6 Abreviews](#) [6 References](#) [2 Images](#)

Overview

Product name	Anti-V5 tag antibody [E10]
Description	Mouse monoclonal [E10] to V5 tag
Host species	Mouse
Specificity	ab53418 detects (GKPIPNNLLGLDST) V5 tag fusion protein.
Tested applications	Suitable for: ICC/IF, IHC-P, WB, ELISA, IHC-Fr
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide: GKPIPNNLLGLDST
	 Run BLAST with  Run BLAST with
Positive control	293 cells untransfected and transfected with lacZ-V5-tagged.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituent: 0.0268% PBS
Purity	Protein A purified
Purification notes	ab53418 was affinity purified from culture supernatant of hybridoma cells grown in a bioreactor.
Clonality	Monoclonal
Clone number	E10

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab53418 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

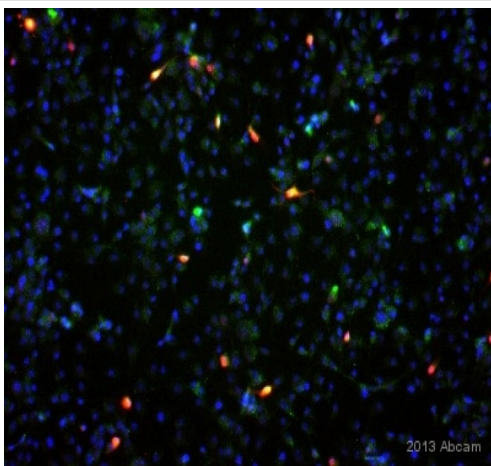
Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	1/500 - 1/2000.
IHC-P		Use at an assay dependent concentration.
WB	★★★★★ (5)	1/1000 - 1/3000. Detects a band of approximately 130 kDa.
ELISA		1/5000 - 1/10000.
IHC-Fr		1/500 - 1/2000.

Target

Relevance

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), although it has also been used with a shorter 9 amino acid sequence (IPNPLLGLD).

Images

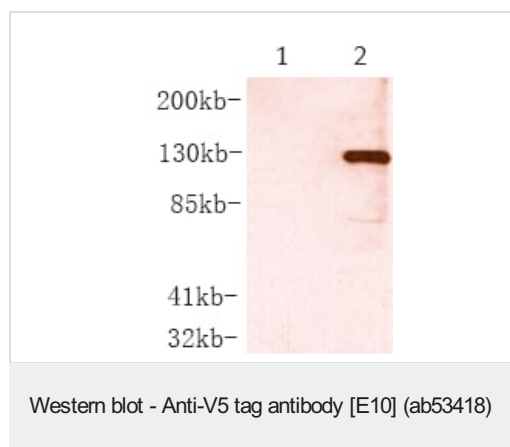


Immunocytochemistry/ Immunofluorescence - Anti-V5 tag antibody [E10] (ab53418)

This image is courtesy of an Abreview submitted by Javier Rodriguez

ab53418 staining V5 tag in Mouse B16F1 melanoma cell line by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde, permeabilized with 0.5% Tween 20 and blocked with 3% BSA for 1 hour at 23°C. Samples were incubated with primary antibody (1/500 in 1% BSA + 0.5% Tween 20 + 1% Donkey serum) for 1 hour at 21°C. An Alexa Fluor® 555-conjugated Donkey anti-mouse IgG polyclonal (1/1000) was used as the secondary antibody.

Melanoma cells expressing GFP are also expressing GFP (AF55) due to transfected cell line with GFP-V5.



All lanes : Anti-V5 tag antibody [E10] (ab53418) at 1/1000 dilution

Lane 1 : 293 cells
untransfected (control)

Lane 2 : 293 cells
transfected
with lacZ-V5-tagged.

Lysates/proteins at 30 µg per lane.

Observed band size: 130 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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