**Product datasheet**

**Anti-V5 tag antibody [SV5-Pk1] ab27671**

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**Overview**

**Product name**  
Anti-V5 tag antibody [SV5-Pk1]

**Description**  
Mouse monoclonal [SV5-Pk1] to V5 tag

**Host species**  
Mouse

**Tested applications**  
Suitable for: ICC/IF, Flow Cyt, IHC-Fr, ELISA, IP, WB, RIA

**Immunogen**  
Mice were infected with the paramyxovirus SV5, Simian-Virus 5.

**Epitope**  
ab27671 recognises a small epitope, termed Pk, present on the P/V proteins of the paramyxovirus, SV5.

**General notes**  
ab27671 has been used to detect recombinant proteins, some of which include transmembrane and secreted proteins, which have been tagged with the V5 epitope.

**Properties**

**Form**  
Liquid

**Storage instructions**  

**Storage buffer**  
Preservative: 0.09% Sodium Azide  
Constituents: PBS, pH 7.4

**Purity**  
Protein G purified

**Purification notes**  
This antibody was purified from tissue culture supernatant by affinity chromatography.

**Primary antibody notes**  
Ab27671 has been used to detect recombinant proteins, some of which include transmembrane and secreted proteins, which have been tagged with the V5 epitope.

**Clonality**  
Monoclonal

**Clone number**  
SV5-Pk1

**Myeloma**  
Sp2/0-Ag14

**Isotype**  
IgG2a

**Applications**

Our Abpromise guarantee covers the use of ab27671 in the following tested applications.

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

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ICC/IF</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use at an assay dependent concentration. PubMed: 21887337</td>
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<td>Flow Cyt</td>
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<td>Use at an assay dependent concentration.</td>
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<td>IHC-Fr</td>
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<td>ELISA</td>
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<td>1/1000 - 1/5000.</td>
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<td>IP</td>
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<td>Use at an assay dependent concentration.</td>
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<tr>
<td>WB</td>
<td>⭐⭐⭐⭐⭐</td>
<td>1/1000 - 1/5000.</td>
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<td>RIA</td>
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<td>Use at an assay dependent concentration.</td>
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</table>

**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**

ab27671 at a 1/1000 dilution staining V5 tag in CHO cells overexpressing a V5-tagged protein by Immunocytochemistry/Immunofluorescence.

Cells were fixed in paraformaldehyde and permeabilized using 0.1% Triton X-100. Samples were blocked with 3% BSA. The secondary used was an Alexa Fluor® 488 conjugated goat anti-mouse IgG (H+L) at a 1/1000 dilution.

[Image of Immunocytochemistry/ Immunofluorescence - Anti-V5 tag antibody (SV5-Pk1) (ab27671)]

Image courtesy of an anonymous Abreview.
Anti-V5 tag antibody [SV5-Pk1] (ab27671) at 1/1000 dilution + mouse cortex cell line lysate at 30 µg

**Secondary**
- Non-Abcam antibody was used: Vector
- Conjugation: HRP at 1/3000 dilution

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