

## Product datasheet for **SM1691X**

### **Pk (V5) Epitope Tag (GKPIPPLLGLDST) Mouse Monoclonal Antibody [Clone ID: SV5-PK1]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SV5-PK1
Applications:	ELISA, IHC, IP, R, WB
Recommended Dilution:	<b>ELISA</b> (1/1000-1/5000). <b>Western blot</b> (1/1000-1/5000). <b>Immunoprecipitation.</b> <b>Immunofluorescence.</b> <b>Radioimmunoassays.</b> <b>Immunohistochemistry on Frozen Sections.</b>
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Mice were infected with the paramyxovirus SV5, Simian-Virus 5. Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 Ag14 myeloma cell line.
Specificity:	This antibody recognises a small epitope, termed Pk, present on the P/V proteins of the paramyxovirus, SV5. This antibody has been used to detect recombinant proteins, some of which include transmembrane and secreted proteins, which have been tagged with this epitope. Usually, a 14 amino acid tag has been added to the recombinant proteins, although a smaller epitope of 9 amino acids (that as a peptide inhibit the binding of the monoclonal antibody to its native protein) has also been successfully used. The 14 amino acid epitope is; gly lys pro ile pro asn pro leu leu gly leu asp ser thr. (The 9 amino acid epitope is underlined).
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated



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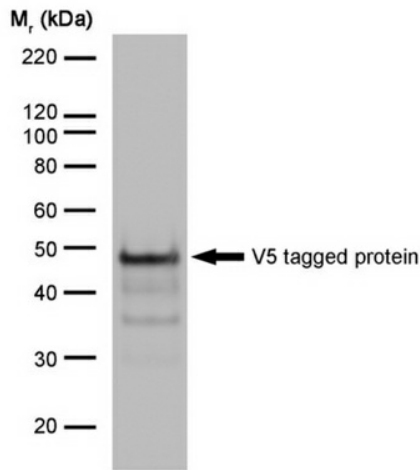
**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

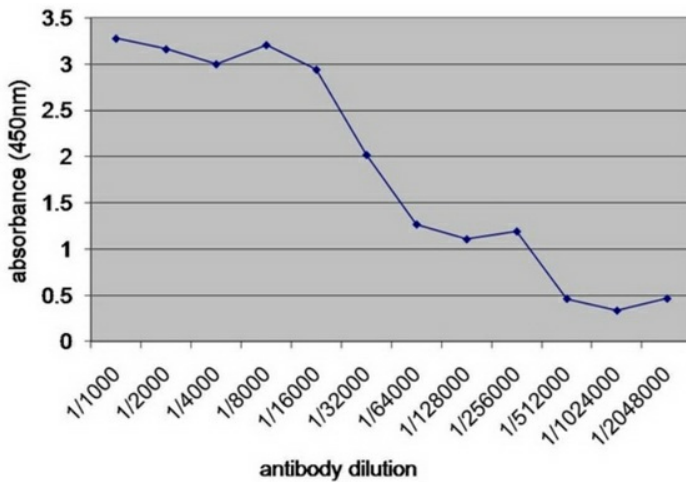
**Background:** The V5 epitope tag is derived from a small epitope (Pk) present on the P and V proteins of the paramyxovirus of simian virus 5 (SV5). The V5 tag is usually used with all 14 amino acids (GKPIPPLLGLDST), although it has also been used with a shorter 9 amino acid sequence (IPNPLLGLD).

**Note:** This product is manufactured under an exclusive license from the University of St. Andrews, UK.

**Product images:**



V5 tagged protein detected with Mouse anti V5-tag (Cat.-No [SM1691])



V5 tagged protein detected with Mouse anti V5-Tag (Cat.-No [SM1691])