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45-1060: Mouse Monoclonal Antibody to V5 Tag (Clone : 4C12E11) (Discontinued)

Clonality :	Monoclonal
Clone Name :	4C12E11
Application :	ELISA
Format :	Purified
Isotype :	Mouse IgG2a K
Immunogen Information :	V5 tag peptide conjugated to KLH

Description

The V5 epitope tag (GKPIPNPLLGLDST) is derived from a small epitope which presents on the P and V proteins of the paramyxovirus of simian virus 5 (SV5). V5 Tag Antibody is a useful tool in detection of recombinant proteins containing the V5 epitope. V5 Tag Antibody, mAb, Mouse is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with V5 tag peptide conjugated to KLH.

Product Info

Amount :	100 µg
Purification :	Protein A chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA: 0.05-0.1 µg/ml
Western blot: 0.2-1 µg/ml
FACS: 2-4 µg for 1 x 10^6 cells

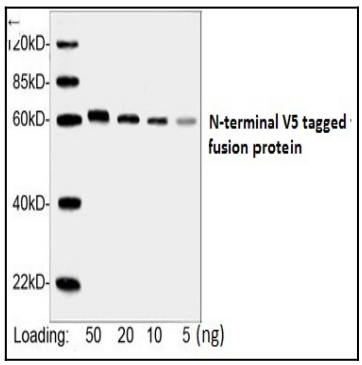

Figure-1 : Western blot analysis of V5 Tag Antibody (Clone: 4C12E11) at 0.2 µg/ml on purified N-terminal of V5 tagged fusion proteins (50, 20, 10 & 5 ng), IRDye 800 Conjugated affinity Purified Goat Anti-Mouse IgG was used as secondary Antibody.

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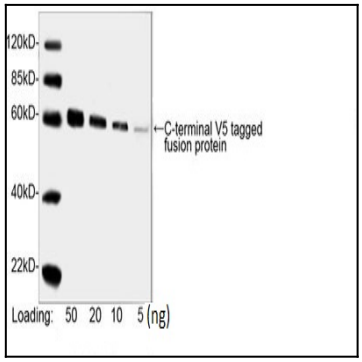

Figure-2 : Western blot analysis of V5 Tag Antibody (Clone: 4C12E11) at 0.2 µg/ml on C-terminal of V5 tagged fusion protein (50, 20, 10 & 5 ng).

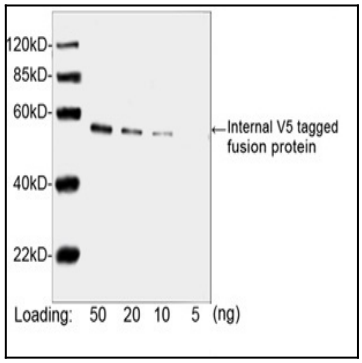

Figure-3 : Western blot analysis of V5 Tag Antibody (Clone: 4C12E11) at 0.2 µg/ml on purified internal V5 tagged fusion protein (50, 20, 10 & 5 ng).

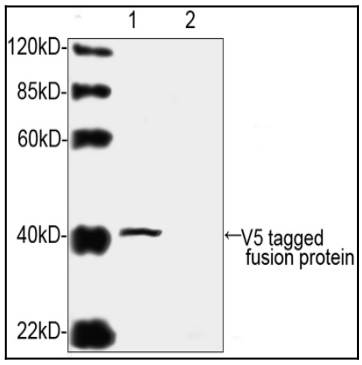

Figure-4 : Western blot analysis V5 Antibody (Clone: 4C12E11) on V5-tagged protein, 1: V5-tagged protein transfected CHO cell lysate, 2: Non-transfected CHO cell lysate, IRDye800 Conjugated affinity Purified Goat Anti-Mouse IgG was used as Secondary antibody.

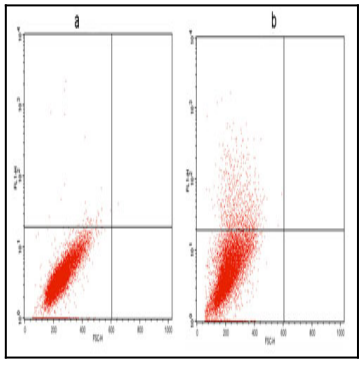

Figure-5 : Flow cytometric analysis of V5 Antibody (Clone: 4C12E11) on (a)non-transfected CHO cells and (b)V5 fusion gene transfeced CHO cells at 2 µg for 1 x 10^6 cells, FITC conjugated Goat Anti-Mouse IgG was used as secondary antibody.

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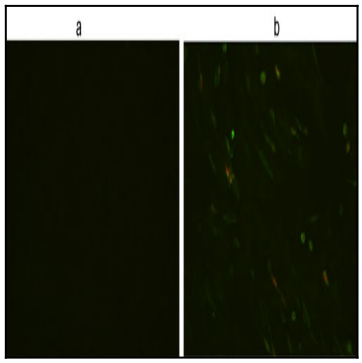

Figure-6: Immunocytochemistry/Immunofluenrescence analysis of V5 Antibody (Clone: 4C12E11) on (a) non-transfected CHO cells and (b)V5 fusion gene transfeced CHO cells, FITC conjugated Goat Anti-Mouse IgG was used as Secondary antibody.

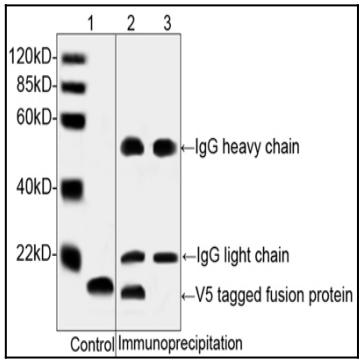

Figure-7 : Western blot analysis of V5 Antibody (Clone: 4C12E11) on V5-tagged protein, 1: Immunoprecipitates from V5-tagged protein expressed in transfected HEK293 cell lysate (Control), 2 & 3: Immunoprecipitates of V5-tagged protein in transfected and non-transfected HEK293 cell lysate at 1 µg/ml, IRDye 800 Conjugated affinity Purified Goat Anti-Mouse IgG was used as Secondary antibody.

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