

**DESCRIPTION**

<b>Specificity</b>	Detects N-terminal and C-terminal V5 epitope-tagged proteins in Western blots.
<b>Source</b>	Recombinant Monoclonal Rabbit IgG Clone # 1036H
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	V5 epitope tag peptide Accession # Y138513
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.1 µg/mL	See Below
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	See Below
<b>Immunoprecipitation</b>	1-4 µg/100 µg cell lysate	HEK293 human embryonic kidney cell line transfected with N-terminal V5-tagged FDNC4 and C-terminal V5-tagged EAA1, <a href="#">see our available Western blot detection antibodies.</a>
<b>Simple Western</b>	1 µg/mL	See Below

**DATA**

**Western Blot**

**Detection of V5 Epitope-tagged proteins by Western Blot.** Western blot shows lysates of HEK293 human embryonic kidney cell line transfected with N-terminal V5-tagged CBL, N-terminal V5-tagged FSNC4, C-terminal V5-tagged LAMP2B, and C-terminal V5-tagged GALNT2. PVDF membrane was probed with 0.1 µg/mL of Rabbit Anti-V5 Epitope Tag Monoclonal Antibody (Catalog # MAB8926) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands were detected for V5 Epitope-tagged at approximately 110 kDa, 34 kDa, 75 kDa, and 65 kDa (as indicated). This experiment was conducted under reducing conditions and using *Immunoblot Buffer Group 1*.

**Flow Cytometry**

**Detection of V5 Epitope Tag in HEK293 Human Cell Line Transfected with V5-tagged Proteins by Flow Cytometry.** HEK293 human embryonic kidney cell line transfected with V5-tagged proteins was stained with Rabbit Anti-V5 Epitope Tag Monoclonal Antibody (Catalog # MAB8926, filled histogram) or isotype control antibody (Catalog # AB-105-C, open histogram), followed by Allophycocyanin-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # F0111).

**Simple Western**

**Detection of V5 Epitope Tag by Simple Western™.** Simple Western lane view shows lysates of HEK293 human embryonic kidney cell line transfected with N-terminal V5-tagged CBL and C-terminal V5-tagged GALNT2, loaded at 0.2 mg/mL. Specific bands were detected for V5 Epitope-tagged proteins at approximately 119 kDa and 65 kDa (as indicated) using 1 µg/mL of Rabbit Anti-V5 Epitope Tag Monoclonal Antibody (Catalog # MAB8926). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>