

Resource Summary Report

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Anti-Neu5Gc Antibody Kit Protocol - Western Blot

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.97hh9j6>

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Group: BioLegend

Summary: The Anti-Neu5Gc Antibody Kit contains the essential monospecific polyclonal chicken IgY antibody, along with a negative control primary antibody to detect the presence of Neu5Gc on glycoconjugates by Western blot (WB). Samples to be evaluated are first subjected to SDS-PAGE, followed by transfer to a nitrocellulose or polyvinylidenedifluoride (PVDF) membrane. The membrane is then incubated with affinity-purified polyclonal anti-Neu5Gc to determine the presence of Neu5Gc on the protein of interest. The antibody provided in this kit has been shown to identify as little as 5pmol of Neu5Gc per ??g glycoprotein, which is at or below the current detection limit for conventional analysis by acid release, purification, DMB derivatization, HPLC, and electrospray mass-spectrometry. The Western blot provides additional information in that it confirms that Neu5Gc is directly linked to the glycoprotein of interest rather than to an accompanying sample component.

Affiliations: BioLegend

External URL: <https://www.biolegend.com/protocols/anti-neu5gc-antibody-kit-protocol-western-blot/4300/>

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