

DESCRIPTION

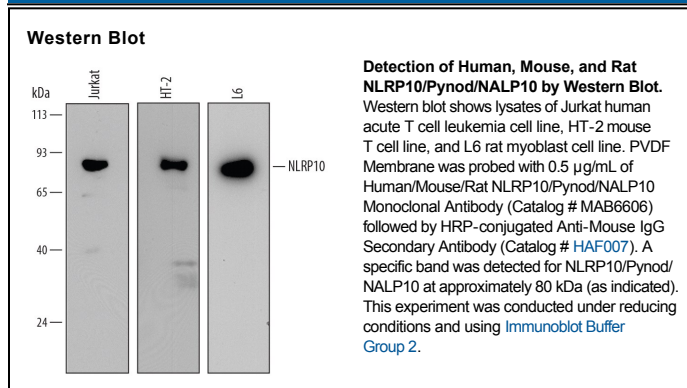
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human NLRP10/Pynod/NALP10 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) NALP1 (aa 1-323), rhNALP1 (aa 1331-1429), rhNALP2 (aa 1-208), rhNALP3 (aa 3-223), rhNALP3 (aa 540-689), rhNALP5 (aa 469-635), rhNOD1 (aa 830-953), or rhNOD2 (aa 230-450) is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 578502
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NLRP10/Pynod/NALP10 Met386-Ile655 Accession # Q86W26
Formulation	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.

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

NLRP10, also known as Pynod, NALP10, and NOD8, is a 75 kDa cytoplasmic protein that associates with the ASC component of inflammasomes. NLRP10 inhibits ASC-dependent apoptosis, NFκB activation, and Caspase-1-dependent processing of IL-1β. Human NLRP10 contains one Pyrin domain (aa 1-96) and one NACHT domain (aa 167-484) but no leucine-rich repeats. Within aa 386-655, human NLRP10 shares approximately 50% aa sequence identity with mouse and rat NLRP10.