

DESCRIPTION

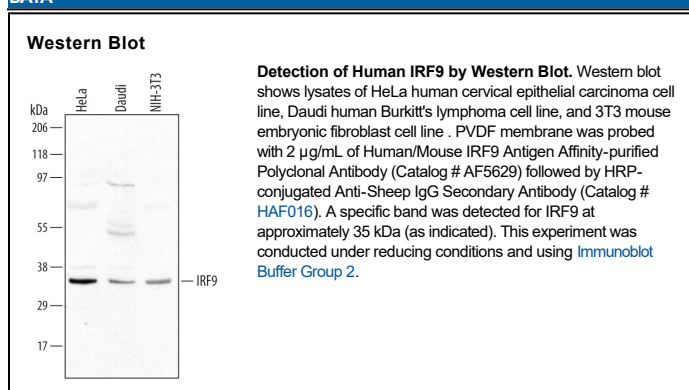
Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse IRF9 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human IRF9 Ser238-Val393 Accession # Q00978
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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

IRF9 (interferon regulatory factor 9; also ISGF3-γ) is a 48 kDa member of the IRF family of proteins. It is widely expressed, and serves as a component of the ISGF3 complex. Following activation of IFNAR by IFN-α/β, IRF9 is acetylated by CBP on Lys81. IRF9 then associates with activated STAT1 and STAT2 to form an ISGF3 complex that is translocated into the nucleus. Human IRF9 is 393 amino acids (aa) in length. It contains an N-terminal DNA-binding region (aa 11-112) that contains an NLS (aa 66-85), plus a STAT-binding domain (aa 200-393). There are two potential isoform variants. One shows a deletion of aa 218-331 and 340-393, while another shows a five aa substitution for aa 217-393. Over aa 238-393, human IRF9 shares 79% aa identity with mouse IRF9.