

DESCRIPTION

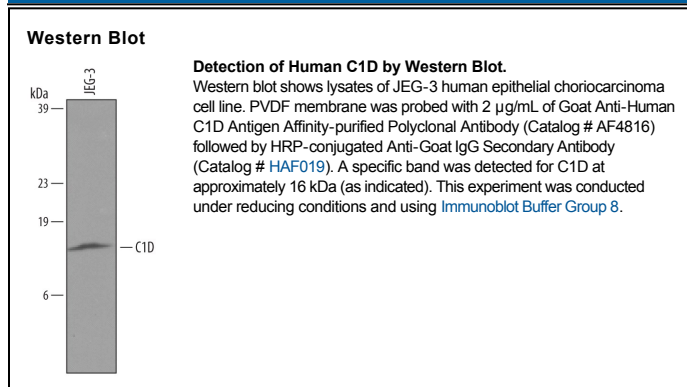
Species Reactivity	Human
Specificity	Detects human C1D in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human C1D Ala2-Ser141 Accession # Q13901
Formulation	Lyophilized from a 0.2 µm filtered solution in 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	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

C1D (also SUN-CoR) is a 16 kDa member of the C1D family of DNA-binding proteins. It is ubiquitously expressed, activates DNA-dependent protein kinase, and forms part of a large complex that processes rRNA. C1D exists as both a monomer and noncovalent homodimer, and is known to be phosphorylated. Human C1D is 141 amino acids (aa) in length. It contains two protein interaction sites at aa 50-100 and 101-141. There is one potential alternate site at Met54, and a number of single aa polymorphisms. Full-length C1D is 90% and 87% aa identical to mouse and canine C1D, respectively.