

Anti-*Legionella pneumophila* antibody, rabbit polyclonal

Product code	64-101
Size	200 µg
Storage	-20°C
Concentration	1.0 mg/ml
Buffer	PBS- with 50% glycerol
Purity	Purified IgG fraction with protein A from rabbit antiserum.
Immunogen	Formaldehyde treated whole cells of <i>Legionella pneumophila</i> strain Philadelphia 1 (ATCC #33152). Immunized 7 times at two weeks intervals.
Isotype	Rabbit IgG
Reactivity	<i>Legionella pneumophila</i> strains. Since the antiserum has not been adsorbed, it may cross-reacts with related bacteria.
Special notes	N/A
Application	<ol style="list-style-type: none"> 1. Immunofluorescent and Immunochemical staining (1/10,000-1/30,000) 2. Immunohistochemistry (1/3,000~1/10,000) 3. ELISA (1/10,000~1/30,000 dilution) 4. Agglutination (1/2,000~1/5,000)
Background	<p>Legionnaires disease (LD) was recognized in 1976 after an outbreak of pneumonia at an American Legion convention in Philadelphia. Soon after, the etiologic agent was identified as a fastidious gram-negative bacillus and named <i>Legionella pneumophila</i>. Although several other species of the genus <i>Legionella</i> were subsequently identified, <i>L pneumophila</i> is the most frequent cause of human legionellosis and a relatively common cause of community-acquired and nosocomial pneumonia in adults. In children, <i>L pneumophila</i> is also an important, although relatively uncommon, cause of pneumonia.</p>
Data Link	N/A
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 64-101 Anti-*Legionella pneumophila* antibody, rabbit polyclonal

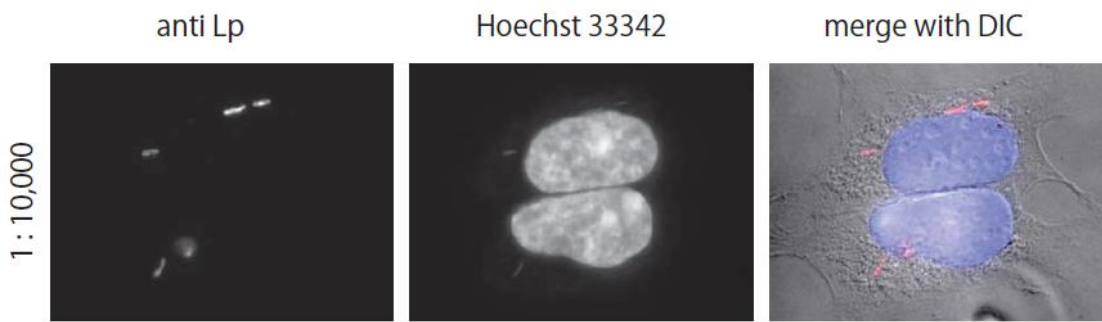


Fig.1 Immunofluorescent staining of *Legionella pneumophila* in the infected HEK293 cells using anti-*Legionella pneumophila* antibody.

HEK293 cells were infected with *Legionella pneumophila* strain Philadelphia1 fixed with 4% formaldehyde and reacted with the anti-*Legionella pneumophila* antibody at 1/10,000 dilution. As the second antibody, goat Rodamine Red X conjugated anti-rabbit IgG antibody was used at 1/10,000 dilution. DNA was stained with Hoechst 33342 (center) and the images were merged with that of differential interference contrast microscope (right).

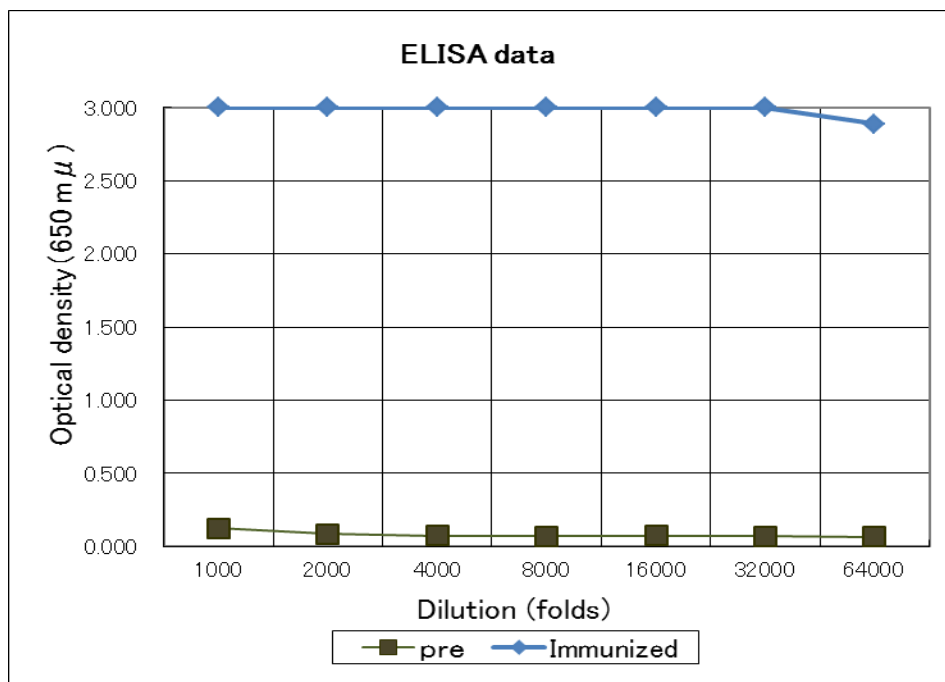


Fig.2. Titration of antibody reactivity of anti-*Legionella pneumophila* antiserum by direct ELISA
 Plate was coated with 100 μ l of 10^9 cells/ml per well and 100 μ l of the antiserum at the indicated dilution was added to each well and incubated. After washing, goat anti-rabbit-IgG conjugated with HRP was added as 2nd antibody. Color was developed with TMB as substrate. “pre” is preimmune serum and “Immunized” is immunized serum.