

# Agrisera

This product is for research use only (not for diagnostic or therapeutic use)

contact: [support@agrisera.com](mailto:support@agrisera.com)

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | [www.agrisera.com](http://www.agrisera.com)

Product no **AS09 566**  
**Peanut protein**

## Product information

- Background** | Peanut (*Arachis hypogaea*) belongs to the legume family. Dietary substances from peanuts can be a cause of allergic reaction in estimated 0.4-0.6% of population.
- Immunogen** | *Arachis hypogaea* protein extract
- Host** | Chicken
- Clonality** | Polyclonal
- Purity** | Affinity purified IgY
- Format** | Liquid
- Quantity** | 100 µg
- Storage** | Store at 4 °C; make aliquots to avoid working with a stock. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from liquid material adhering to the cap or sides of the tubes.

**Tested applications** | ELISA (ELISA), Western blot (WB)

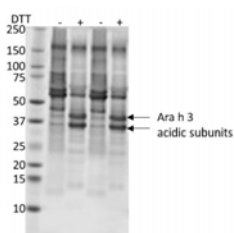
**Related products** | [AS15 2848](#) | Anti-Peanut Agglutinin, mouse monoclonal antibodies  
[AS16 3977](#) | Anti-Peanut Ara h1, clone 17, rabbit antibodies  
[antibodies to food proteins](#)  
[Plant protein extraction buffer](#)  
[Secondary antibodies](#)

**Additional information** | Antibodies were purified on immobilized peanut proteins.

## Application information

- Recommended dilution** | 2- 5 µg/ml (ELISA), 0.1-1 µg/ml (WB)
- Confirmed reactivity** | Peanut proteins
- Predicted reactivity** | Peanut proteins
- Not reactive in** | No confirmed exceptions from predicted reactivity are currently known.

For high resolution images, please visit the specific product page at [www.agrisera.com](http://www.agrisera.com)



Thirty (30) µg of total protein extracted freshly from defatted lightly roasted peanut flour with borate buffered saline (BBS) solution (100 mM H<sub>3</sub>BO<sub>4</sub>, 25 mM Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>, 75 mM NaCl, and pH 8.6) for 1 hr with constant stirring at 4 °C. Samples were denatured with NuPAGE™ LDS sample buffer containing 50 mM DTT at a 1:4 (v/v) ratio and incubation at 70 °C for 5 min. Samples were separated on Novex™ 10-20% Tricine Protein Gels and blotted 7 minutes to nitrocellulose using iBlot dry transfer system. The blot was blocked with 5% milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1,000 for 1h/RT with agitation in TBS-T with agitation. The antibody solution was decanted and

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the blot was rinsed briefly, then washed 3 times for 5 min in TBS-T at RT with agitation. The blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated [AS10 1489](#)) diluted to 1:25,000 in TBS-T for 1h/RT with agitation. The blot was washed as above and developed for 5 min with [AgriseraECLBright](#). Images of the blots were collected using a CCD imager and Quantity One software (Bio-Rad). Exposure time was 20 seconds.



Distribuito in ITALIA da  
**Li StarFish S.r.l.**  
Via Cavour, 35  
20063 Cernusco S/N (MI)  
telefono 02-92150794  
[info@listarfish.it](mailto:info@listarfish.it)  
[www.listarfish.it](http://www.listarfish.it)