

Polyclonal Antibody to Aspergillus - FITC

Catalog No.:	BP1001F
Quantity:	1 ml
Concentration:	4.0 mg/ml
Background:	<p>The genus <i>Aspergillus</i> includes over 185 species. Around 20 species have been reported as causative agents of opportunistic infections in humans. Among these, <i>Aspergillus fumigatus</i> is the most commonly isolated species, followed by <i>Aspergillus flavus</i>. <i>Aspergillus fumigatus</i> is the major cause of aspergillosis. This organism causes both invasive and allergic aspergillosis.</p> <p><i>Aspergillus</i> also produce fungal toxins called mycotoxins. Aflatoxin is produced by <i>Aspergillus flavus</i> as it grows on corn and peanuts. The toxin is poisonous to humans by ingestion and causes liver disease. <i>Aspergillus nidulans</i> can produce the mycotoxin sterigmatocystin. This toxin has been shown to produce liver and kidney damage in lab animals. <i>Aspergillus ochraceus</i>, found in grains, soil and salted food products can produce a kidney toxin called ochratoxin A, which may produce ochratoxicosis in humans. Ochratoxin may also be produced by other <i>aspergillus</i> and <i>penicillium</i> species. Other toxins that can be produced by this fungus include penicillic acid, xanthomegnin and viomellein.</p> <p><i>Aspergillus</i> infections have a very high mortality rate. Their incidence is growing because of the increased number of immunocompromised patients. Previous to antibodies such as these, special stains were used to identify <i>aspergillus</i>.</p>
Host:	Rabbit
Immunogen:	Soluble extract from <i>A. fumigates</i> , <i>A. flavus</i> , <i>A. niger</i> and <i>A. terreus</i> .
Format:	<p>State: Liquid, purified IgG fraction</p> <p>Buffer System: PBS, pH 7.2 containing 10 mg/ml BSA and 0.09% Sodium Azide as preservative</p> <p>Label: FITC – High purity isomer I of has been used. Care has been taken to ensure complete removal of any free fluorescein from the final product</p>
Applications:	<p>Immunofluorescence: 1/10-1/50. Fixative: Acetone is recommended.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	Reactive with soluble proteins from common <i>Aspergillus species</i> .
Storage:	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C longer. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com