

Aspergillus antibody

Alternate names:	Human Immunodeficiency Virus I, HIV1, HIV-I, HIVI
Catalog No.:	15-288-22607
Quantity:	0.1 mg
Concentration:	4 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. <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. <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>. <i>Aspergillus oryzae</i> and <i>Aspergillus niger</i> are used extensively in industrial scale fermentation to produce enzymes for processing household food and drink products.</p>
Host / Isotype:	Chicken
Immunogen:	Tissue / cell preparation. Soluble extract from <i>A. fumigatus</i> , <i>A. flavus</i> , <i>A. niger</i> and <i>A. terreus</i> .
Format:	Purification: Protein A purified Buffer System: Preservative: 0.1% Sodium Azide. Constituents: 0.01M PBS. pH 7.2
Applications:	Conjugation, ELISA, IHC-F, IHC-Fr, IHC-P Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reactive with common <i>Aspergillus</i> species. Antiserum is not absorbed and may react with related microorganisms.
Storage:	Keep as concentrated solution. Store at 4

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.

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