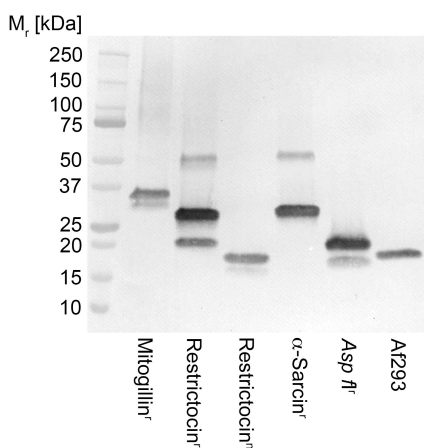


## Ribonuclease mitogillin (*Asp f I*), mouse monoclonal antibody [clone PD7]

<b>Product code</b>	ID2610-0025 / ID2610-0100
<b>Unit size</b>	25µL / 100µL
<b>Concentration</b>	See batch specific Certificate of Analysis
<b>Alternative name</b>	Allergen I/a; IgE-binding ribotoxin
<b>Clone</b>	PD7
<b>Host</b>	Mouse
<b>Immunogen</b>	Recombinant mitogillin from <i>Aspergillus fumigatus</i>
<b>Isotype</b>	IgG1
<b>Purification</b>	Protein A
<b>Applications</b>	ELISA, WB
<b>Recommended dilution</b>	1:1000
<b>Optimisation</b>	Optimal dilutions to be determined by end user
<b>Known reactivity</b>	Mitogillin, restrictocin, recombinant and native 18 kDa <i>Asp f I</i> from <i>A. fumigatus</i> , $\alpha$ -Sarcin from <i>A. giganteus</i>
<b>Storage buffer</b>	Phosphate buffered saline pH7.2 with 0.095% (w/v) sodium azide
<b>Shipping</b>	Blue ice
<b>Storage temperature</b>	Store as supplied at +2°C ~ +8°C for up to 1 year
<b>Reference</b>	Davies <i>et al.</i> (2021). <i>Aspergillus fumigatus</i> and its allergenic ribotoxin <i>Asp f I</i> : old enemies but new opportunities for urine-based detection of invasive pulmonary aspergillosis using lateral-flow technology. <i>Journal of Fungi</i> 7, 19.



**Legend:** Western blot of different *Aspergillus* ribotoxins using mAb PD7. The proteins were separated by denaturing SDS-PAGE, transferred electrophoretically onto PVDF membrane and probed with PD7-alkaline phosphate conjugate. Mitogillin<sup>r</sup> = recombinant mitogillin dimer from *A. fumigatus*; Restrictocin<sup>r</sup> = recombinant restrictocin from *Aspergillus restrictus*; Restrictocin<sup>n</sup> = native restrictocin from *Aspergillus restrictus*;  $\alpha$ -Sarcin<sup>r</sup> = recombinant  $\alpha$ -Sarcin from *A. giganteus*; *Asp f I*<sup>r</sup> = recombinant *Asp f I* from *A. fumigatus*; Af293 = native *Asp f I* from *A. fumigatus* strain Af293.

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