

References

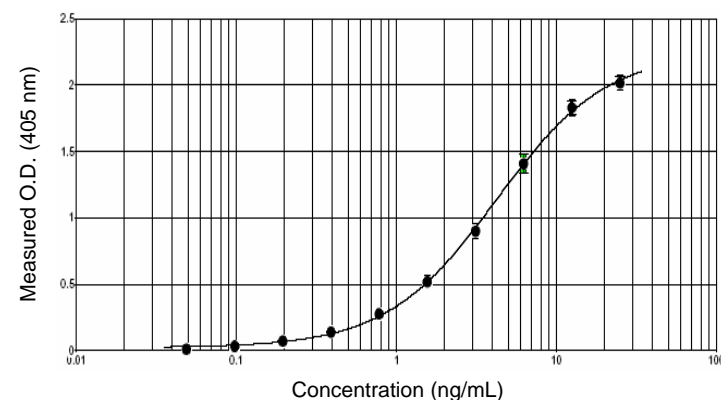
1. Phipatanakul W, Eggleston PA, Wright EC, Wood RA. Mouse allergen. I. The prevalence of mouse allergen in inner-city homes. The National Cooperative Inner-City Asthma Study. *J Allergy Clin Immunol.* 2000;106:1070-4.
2. Phipatanakul W, Eggleston PA, Wright EC, Wood RA. Mouse allergen. II. The relationship of mouse allergen exposure to mouse sensitization and asthma morbidity in inner-city children with asthma. *J Allergy Clin Immunol.* 2000;106:1075-80



Mus m 1 ELISA kit

Product Code: EL-MM1

Sample Curve:



Content:

- Vial 1 (red top) 100 μ L
Polyclonal rabbit anti-Mus m 1 capture antibody
Concentration: 2mg/ml in PBS
- Vial 2 (white top) 400 μ L
Universal Allergen Standard
Concentration: 250ng/ml Mus m 1
- Vial 3 (brown) 100 μ L
Biotinylated rabbit anti-Mus m 1 antibody
Dilute: 1:1000 for use

Storage: The ELISA kit should be stored at 4°C

For Research Use Only: Not for Diagnostic or Therapeutic Use



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Certificate of Analysis

Antibody: Rabbit polyclonal IgG antibodies raised against natural Mus m 1 and purified by HPLC
 Immunogen: nMus m 1
 Isotype: Polyclonal IgG antibodies of multiple isotypes.
 Specificity: Binds to Mouse Urinary Protein allergen, Mus m 1.
 Purification: By HPLC using recombinant protein G. Single heavy and light chain bands on SDS-PAGE
 Activity: Should be diluted 1/1000 for use in Mus m 1 assays. 0.22µm filtered, preservative free.
Lot Number: 2506

Antibody: Affinity purified polyclonal IgG antibodies raised against rMus m 1
 Immunogen: rMus m 1
 Isotype: Multiple isotypes
 Purification: By affinity chromatography using mouse urinary protein.
 Biotinylation: Biotinylated using EZ-Link Sulfo-NHS-LC Biotinylating Agent and titrated for use in ELISA for Mus m 1 allergen at 1/1000 dilution. Prepared in 1% BSA/50% glycerol/PBS, 0.22µm filtered, preservative free.
Lot Number: 2801

Allergen Standard: Universal Allergen Standard
 Composition: A formulation of eight purified natural allergens prepared in 1% BSA/50% glycerol/PBS, pH 7.4
 Concentration/Calibration:
Lot Number 31012

Universal Allergen Standard	Protein Measurement	Concentration (ng/ml)
Der p 1	Amino-acid analysis	2500
Der f 1	Amino-acid analysis	2500
Der p 2	Amino-acid analysis	1000
Fel d 1	Amino-acid analysis	1000
Can f 1	Amino-acid analysis	2500
Rat n 1	Amino-acid analysis	1000
Mus m 1	Amino-acid analysis	250
Bla g 2	Amino-acid analysis	2500

ELISA Protocol for Mus m 1.

- Anti-Mus m 1 Polyclonal Ab is supplied HPLC purified as a stock solution at 2mg/ml in PBS (Product Code: PA-MM1). Dilute the PA-MM1 1/1000 (i.e. 10µl/10ml) in 50 mM carbonate-bicarbonate buffer, pH 9.6. Coat polystyrene microtiter wells (NUNC Maxisorp Cert. NUNC catalog #439454, Fisher Catalog #12565135) with 100µl of the diluted PA-MM1 per well. Incubate overnight at 4°C.
- Wash wells 3x with PBS-0.05% Tween 20, pH 7.4 (PBS-T). Incubate for 30min at room temperature with 100µl 1% BSA-PBS-T. Wash 3x with PBS-T.
- Add 100µl of diluted allergen standard, house dust or air filter samples. Incubate for 1 hour at room temperature.
 - Make a Mus m 1 control curve using doubling dilutions of the Universal Allergen Standard (Product Code: ST-UAS): The control curve dilutions are from 25-0.05ng/ml Mus m 1. Pipette 20µl allergen standard into 180µl 1% BSA PBS-T into wells A1 and B1 of the ELISA plate. Mix well and transfer 100µl across the plate into 100µl 1% BSA PBS-T diluent to make 10 serial doubling dilutions. Wells A11, B11, and A12 and B12 should contain only 1% BSA PBS-T as blanks.
 - House dust samples are routinely diluted two-fold from 1/10 -1/80.
- Wash wells 3x with PBS-T and add 100µl diluted biotinylated anti-Mus m 1 Ab (Product Code: B1-MM1). The antibody solution contains 50% glycerol and should be diluted 1/1000 (i.e. 10µl/10ml) in 1%BSA-PBS-T. Incubate for 1 hour at room temperature.
- Wash wells 3x with PBS-T and add 100µl diluted Streptavidin-Peroxidase (Sigma S5512, 0.25mg reconstituted in 1ml distilled water). The reconstituted Streptavidin should be diluted 1/1000 (i.e. 10µl/10ml) in 1% BSA PBS-T. Incubate for 30 minutes at room temperature.
- Wash wells 3x with PBS-T and develop the assays by adding 100µl 1mM ABTS in 70mM citrate phosphate buffer, pH 4.2 containing a 1/1000 dilution of 30% H₂O₂ (i.e. 10µl/10ml ABTS). Read the plate when the optical density at 405nm reaches 2.0-2.4.

Notes:

Universal Allergen Standard is recommended for immunoassay calibration purposes only. Not recommended for in-vitro antibody measurements, T cell studies, immunization purposes, or other uses.

Buffer recipes, storage conditions and a list of frequently asked questions can be found under "Protocols" on our web site: www.inbio.com.

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