# House Dust Mite (Df10): sc-51949



The Power to Question

### **BACKGROUND**

One of the most allergenic materials found indoors is house dust, often heavily contaminated with the fecal pellets and cast skins of a member of the phylum Arthropoda: House Dust Mites. The House Dust Mite (Dermatophagoides farinae in North America), sometimes abbreviated by allergists as HDM, thrives in the modern environment of fully-carpeted, double-glazed, draft-proof homes. The female is about 420  $\mu m$  in length and 320  $\mu m$  in width, while the male is about 420  $\mu m$  long and 245  $\mu m$  wide. Post-larval stages of House Dust Mites have eight legs, and larval stages have six legs. House Dust Mites usually live on shed human skin cells, which are pre-digested by a fungus. House Dust Mites can also live in bedding where they obtain moisture from human breathing, perspiration, and saliva. House Dust Mites are considered to be one of the most common causes of asthma worldwide and are also associated with rhinitis, conjunctivitis and dermatitis.

## **REFERENCES**

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#### **SOURCE**

House Dust Mite (Df10) is a mouse monoclonal antibody raised against purified *Dermatophagoides farinae*.

### **PRODUCT**

Each vial contains 100  $\mu g$   $lgG_1$  in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

### **APPLICATIONS**

House Dust Mite (Df10) is recommended for detection of Dermatophagoides farinae of *Dermatophagoides farinae* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

### **STORAGE**

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### **RESEARCH USE**

For research use only, not for use in diagnostic procedures.

### **PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

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