Whole allergens and allergen components help you diagnose allergy, allowing you to prepare a more comprehensive management plan.

According to an evidence-based consensus recommendation, molecular diagnosis is strongly recommended to distinguish between simultaneous sensitization and cross-reactivity (Category B Evidence).1
### Uteroglobin/Secretoglobin

- Sensitization during childhood can be a predictive marker of cat allergy in adolescence.
- A cat-specific marker of sensitization.
- Fel d 1, a uteroglobin and the major cat allergen.
- A uteroglobin expressed in skin and salivary glands, its synthesis is related to sexual hormones.

### Kallikrein

- Can f 5, a prostatic kallikrein, was isolated from urine of male dogs and is considered a major allergen.
- Therefore, patients sensitized only to Can f 5 may tolerate female dogs or castrated male dogs.¹
- Patients sensitized to Can f 5 may show allergic reactions to seminal fluid.¹

### Lipocalins

- Lipocalins are the most important allergen protein family.
- Most are major allergens.
- Synthesized in salivary glands and dispersed into the environment by saliva and dander.

### Serum Albumins

- Highly cross-reactive molecules generally considered minor allergens.
- Abundant in saliva and dander.
- Respiratory allergens present in animal dander and fluids such as milk, serum, urine, and saliva.

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¹ References are omitted for brevity. For detailed information, please consult relevant scientific literature.
DISEASE SEVERITY

- The risk for and severity of respiratory diseases increase with the number of furry animal allergen components the patient is sensitized to.1-4
- Sensitization to ≥ 3 furry animal allergen components is more common in severe asthma.1-3
- The higher the specific IgE levels of Fel d 1/Fel d 4/Can f 1/Can f 2/Can f 5, the higher the risk for asthma.5,6
- Co-sensitization to Fel d 1 and Fel d 4 is associated with asthma symptoms.5
- Co-sensitization to Can f 1, Can f 2, and Can f 5 is associated with asthma symptoms.5

PATIENT MANAGEMENT

- Elevated Fel d 1*: Institute targeted exposure reduction to cat and consider allergen immunotherapy (AIT).1,9
- Elevated Can f 1* and/or Can f 2*: Institute targeted exposure reduction to dog and consider AIT.1,8,10,11
- Elevated Equ c 1*: Institute targeted exposure reduction to horse and consider AIT.12
- Elevated Can f 5* monosensitization: May tolerate female dogs or castrated male dogs.1,8

OTHER CONSIDERATIONS

- Can f 3/Fel d 2 sensitization indicates cross reactivity and is seldom of clinical importance.13 However, Fel d 2 can be a primary sensitizer in Pork-Cat Syndrome.13

* >0.1 kU/L

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