



#### ORDERING INFORMATION

**Catalog Number:** AF1667

**Lot Number:** UGE01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human Tryptase  $\gamma$ -1

**Immunogen:** NS0-derived rhTryptase  $\gamma$ -1 (aa 20 - 281)

**Ig Type:** goat IgG

**Applications:** Direct ELISA  
Western blot  
Immunoprecipitation

## ***Anti-human Tryptase $\gamma$ -1/TPSG1 Antibody***

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human Tryptase gamma-1 (rhTryptase  $\gamma$ -1; aa 20 - 281). Human Tryptase  $\gamma$ -1 specific IgG was purified by human Tryptase  $\gamma$ -1 affinity chromatography.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### ***Endotoxin Level***

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

### ***Reconstitution***

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

### ***Storage***

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody has been selected for its ability to recognize human Tryptase  $\gamma$ -1 in direct ELISAs and western blots. In these formats, this antibody shows approximately 10% cross-reactivity with rhTryptase  $\alpha$ -1.

### ***Applications***

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Tryptase  $\gamma$ -1. The detection limit for rhTryptase  $\gamma$ -1 is approximately 1.3 ng/well.

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Tryptase  $\gamma$ -1. The detection limit for rhTryptase  $\gamma$ -1 is approximately 1 ng/lane under non-reducing and reducing conditions.

**Immunoprecipitation** - This antibody has been used to immunoprecipitate rhTryptase  $\gamma$ -1 from conditioned media of transfected NS0 cells.

**Optimal dilutions should be determined by each laboratory for each application.**