



## ***Anti-human ECE-2 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** AF1645

**Lot Number:** JWQ01

**Size:** 100 µg

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

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human ECE-2

**Immunogen:** NS0-derived rhECE-2  
(aa 104 - 787)

**Ig Type:** human ECE-2 specific goat IgG

**Applications:** Direct ELISA  
Western blot  
Immunoprecipitation

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human Endothelin-Converting Enzyme-2 (rhECE-2; aa 104 - 787). Human ECE-2 specific IgG was purified by human ECE-2 affinity chromatography.

### ***Formulation***

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

### ***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 ECE-2 in direct ELISAs and western blots. In these formats, this antibody shows approximately 5% cross-reactivity with rhECE-1.

### ***Applications***

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human ECE-2. The detection limit for rhECE-2 is approximately 0.3 ng/well.

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human ECE-2. The detection limit for rhECE-2 is approximately 25 ng/lane and 5 ng/lane under non-reducing and reducing conditions, respectively.

**Immunoprecipitation** - This antibody has been used to immunoprecipitate rhECE-2 from conditioned media of transfected NS0 cells.

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