



## ***Biotinylated Anti-human Sirtuin 2/SIRT2 Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** BAF4358

**Lot Number:** CBCV01

**Size:** 50 µg

**Formulation:** 0.2 µm filtered solution in PBS with BSA

**Storage:** -20° C

**Reconstitution:** sterile 0.1% BSA in TBS

**Specificity:** human SIRT2

**Immunogen:** Sf21-derived rhSIRT2 (aa 51 - 389)

**Ig Type:** sheep IgG

**Application:** Western blot

### ***Preparation***

Produced in sheep immunized with purified, Sf21-derived, recombinant human Sirtuin 2 (rhSIRT2; R&D Systems, Catalog # 4358-DA). Human SIRT2 specific IgG was purified by human SIRT2 affinity chromatography and then biotinylated.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

### ***Reconstitution***

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/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 use as a detection antibody in human SIRT2 Western blots.

### ***Application***

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human SIRT2. The detection limit for rhSIRT2 is approximately 2 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows less than 1% cross-reactivity with rhSIRT1.

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