



## *Biotinylated*

# *Anti-human EN-RAGE/S100A2 Antibody*

### ORDERING INFORMATION

**Catalog Number:** BAF1052

**Lot Number:** GCB02

**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 EN-RAGE

**Immunogen:** *E. coli*-derived rhEN-RAGE

**Ig Type:** goat IgG

**Applications:** Western blot  
Immunohistochemistry  
Flow cytometry

### *Preparation*

Produced in goats immunized with purified, *E. coli*-derived, recombinant human extracellular newly identified RAGE-binding protein (rhEN-RAGE). EN-RAGE, also named S100 calcium-binding protein A12, calcium-binding protein in amniotic fluid (CAAFI), calgranulin-related protein (CGRP) and calgranulin C, is a member of the S100/calgranulin superfamily. Human EN-RAGE specific IgG was purified by human EN-RAGE 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 the applications listed below.

### *Applications*

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

**Immunohistochemistry** - This antibody will detect EN-RAGE in cells and tissues. The working dilution is 5 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems Cell and Tissue Staining Kits (CTS Series).

**Flow cytometry** - This antibody can be used at 3 - 10 µg/mL/10<sup>6</sup> cells with an appropriate secondary antibody for indirect immunofluorescence staining of cells by flow cytometry.

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