Product Information

Anti-EN-RAGE Antibody Produced in Goat

Affinity isolated polyclonal IgG, lyophilized powder

E1032

Description

Anti-EN-RAGE (rhEN-RAGE) is produced in goats immunized with purified, *E. coli*-derived, recombinant human extracellular newly identified RAGE-binding protein (GeneID 6283, Accession ID P80511). Human EN-RAGE specific IgG was purified by human EN-RAGE affinity chromatography.

Anti-EN-RAGE recognizes human EN-RAGE. Applications include immunoblotting, immunohistochemistry and flow cytometry.

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.

Reagent Formulation

Supplied lyophilized from 100 µL of a 0.2 µm filtered solution of phosphate buffered saline (PBS), pH 7.4 with 5% trehalose at a concentration of 1 mg/mL.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

Preparation Instruction

To one vial of lyophilized powder, add 1 mL of 0.2 µm filtered PBS to produce a 0.1 mg/mL stock solution. If aseptic technique is used, no further filtration should be needed for use in cell culture environments.

Storage and Stability

Prior to reconstitution, store at –20 °C. The reconstituted product may be stored at 2-8 °C for up to one month. For extended storage, freeze in working aliquots at –20 °C. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended.

Application

Immunoblotting: a working antibody concentration of 1 µg/mL is recommended. The detection limit for recombinant human EN-RAGE is ~25 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry: a working antibody concentration of 5-15 µg/mL is recommended for use.

Flow Cytometry: a working antibody concentration of 2.5 µg/10^6 cells is recommended for use.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining the optimal working dilutions by titration.

Endotoxin: <0.1 EU/µg antibody as determined by the LAL method.

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