

## Anti-RAGE/AGER Antibody Picoband® FITC Conjugated

Catalog Number: A03438-1-FITC

### About AGER

The receptor for advanced glycation end products (RAGE) is a multi-ligand member of the immunoglobulin superfamily of cell surface molecules. It interacts with distinct molecules implicated in homeostasis, development and inflammation, and certain diseases such as diabetes and Alzheimer's disease. RAGE is also a central cell surface receptor for amphoterin and EN-RAGE. And RAGE is associated with sustained NF-kappaB activation in the diabetic microenvironment and has a central role in sensory neuronal dysfunction. Moreover, RAGE propagates cellular dysfunction in several inflammatory disorders and diabetes, and it also functions as an endothelial adhesion receptor promoting leukocyte recruitment.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-RAGE/AGER Antibody Picoband® FITC Conjugated  |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | Q15109   |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | E.coli-derived human RAGE/AGER recombinant protein (Position: K43-P404). |
| Cross Reactivity    | No cross-reactivity with other proteins.                                 |
| Isotype             | Rabbit IgG   |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Purification        | Immunogen affinity purified.   |
| Conjugate           | FITC<br>Excitation Wavelength: 495 nm<br>Emission Wavelength: 525 nm     |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users.     |

## 2 Publications Citing This Product

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1. PubMed ID: 10.1016/j.jep.2013.11.015, The anti-inflammation effect of Moutan Cortex on advanced glycation end products-induced rat mesangial cells dysfunction and High-glucose-fat diet and streptozotocin-induced diabetic nephropathy rats

2. PubMed ID: 23219582, Feng L, Zhu M, Zhang M, Jia X, Cheng X, Ding S, Zhu Q. Int Immunopharmacol. 2013 Feb;15(2):206-16. Doi: 10.1016/J.Intimp.2012.11.015. Epub 2012 Dec 5. Amelioration Of Compound 4,4'-Diphenylmethane-Bis(Methyl)Carbamate On High Mobility Group Box1-M...

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