

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

Catalog Number: PA1069-PE

### 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. 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® PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IHC, IHC-F, WB). Customers may select suitable applications according to their experimental needs.
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	A synthetic peptide corresponding to a sequence in the middle region of human RAGE, different from the related mouse and rat sequences by two amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 7 Publications Citing This Product

1. PubMed ID: 27026909, Ethyl pyruvate attenuated coxsackievirus B3-induced acute viral myocarditis by suppression of HMGB1/RAGE/NF- $\kappa$ B pathway
2. PubMed ID: 28486941, Wang F, He Q, Wang J, Yuan Q, Guo H, Chai L, Wang S, Hu L, Zhang Y. BMC Complement Altern Med. 2017 May 10;17(1):258. doi: 10.1186/s12906-017-1738-8. Neuroprotective effect of salvianolate lyophilized injection against cerebral ischemia in type 1 ...
3. PubMed ID: 28223765, Li JY, Lu YH, Zhang LW, Zhou PM, Chen T. Ann Dermatol. 2017 Feb;29(1):121-123. doi: 10.5021/ad.2017.29.1.121. Epub 2017 Feb 3. Increased Serum High Mobility Group Box 1 (HMGB1) Concentration and the Altered Expression of HMGB1 and Its Receptor Adv...

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