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Product datasheet for DM3593P

RAGE / AGER (Extracell. Dom.) Rat Monoclonal Antibody [Clone ID: 2B65]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2B65
Applications:	IHC, WB
Recommended Dilution:	**Western Blot:** 1/500-1/1000. **Immunohistochemistry on Frozen Sections:** 1/50-1/100.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Mouse Recombinant RAGE extracellular domain.
Specificity:	This antibody detects Mouse RAGE in Western Blotting. Other species not tested.
Formulation:	Sterile PBS State: Purified State: Lyophilized (0.2 µm filtered) purified Ig fraction Preservative: None
Reconstitution Method:	Restore with 200 µl sterile PBS and the final concentration is 500 µg/ml.
Concentration:	0.5 mg/ml (after reconstitution)
Purification:	Protein G Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	advanced glycosylation end product-specific receptor
Database Link:	Entrez Gene 11596 Mouse Q62151

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Background: The Receptor for Advanced Glycation Endproducts (RAGE) is a member of the Immunoglobin superfamily of cell surface markers. This protein is able to interact with many molecules including: advanced glycation endproducts (AGE), amphoterin, and ligands. Research has shown that the accumulation of RAGE ligands in the biological system (endothelium mononuclear phagocytes, neurons and smooth muscle cells) can lead to destructive tissue diseases such as diabetic retinopathy, amyloidoses, tumors and inflammation disorders. RAGE is expressed by endothelium mononuclear phagocytes, smooth muscle and neurons.

Synonyms: Advanced glycosylation end product-specific receptor, Receptor for advanced glycosylation end products

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