

DESCRIPTION

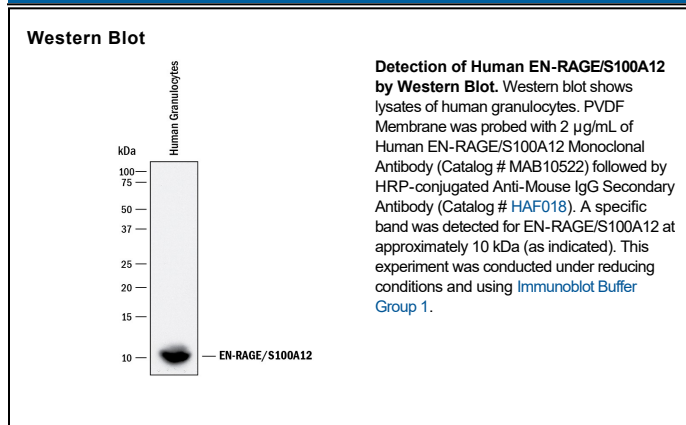
Species Reactivity	Human
Specificity	Detects human EN-RAGE/S100A12 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 161212
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human EN-RAGE/S100A12 Met1-Glu92 Accession # NP_005612
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

EN-RAGE, also known as S100A12 and Calgranulin C, is a 10 kDa secreted molecule that belongs to the S100 family of calcium-binding proteins. EN-RAGE contains two EF-hand domains and forms dimers and hexamers in solution. EN-RAGE is overexpressed at sites of inflammation and interacts with RAGE on endothelial cells, lymphocytes, and monocytes to promote inflammatory responses. Human EN-RAGE shares 66% and 70% amino acid sequence identity with bovine and porcine EN-RAGE, respectively; mouse and rat orthologs have not been identified.