

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human AgRP in ELISAs and Western blots. In Western blots, this antibody shows 100% cross-reactivity with recombinant mouse AgRP.
Source	Monoclonal Mouse IgG ₁ Clone # 82815
Purification	Protein A or G purified from ascites
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human AgRP Ala21-Thr132 Accession # O00253
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.

Human AgRP/ART Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human AgRP/ART Antibody (Catalog # MAB8312)
ELISA Detection	0.1-0.4 µg/mL	Human AgRP/ART Biotinylated Antibody (Catalog # BAF704)
Standard		Recombinant Human AgRP/ART (Catalog # 704-AG)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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

AgRP, also known as the protein product of the Agouti Related Transcript (ART), functions as an antagonist of the melanocortin (MC-3 and MC-4) receptors, both of which are implicated in obesity. AgRP levels are significantly elevated in the serum of obese mice and people.