

rAmb a 1 (Ambrosia artemisiifolia 1.0101) Recombinant Protein

rAmb a 1 (Ambrosia artemisiifolia 1.0101)

CATALOG # AAA129314	HOST E coli	APPLICATIONS ELISA
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PRODUCT SYNONYMS

rAmb a 1 (Ambrosia artemisiifolia 1.0101); rAmb a 1 (Ambrosia artemisiifolia 1.0101) recombinant protein

PRODUCT SPECIFICATIONS

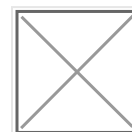
Host	E coli
Form/Format	Purified Azide Free Purified by sequential steps of ion exchange and affinity chromatography. Lyophilized from a 0.2 um filtered solution in Storage buffer (100 mM Tris, 150 mM NaCl, 0.01% Tween 20, pH 8.0).
Applicable Applications for rAmb a 1 (Ambrosia artemisiifolia 1.0101) recombinant protein	ELISA
Preparation and Storage	Store at -20 degree C to -80 degree C. Reconstitute in sterile deionized water. Use reconstituted product immediately or aliquot for further storage at -20 degree C to -80 degree C.

IMAGES



WB (Western Blot)

Reactivity of rAmb a 1 with sIgE antibodies in plasma of a patient with confirmed presence (routine clinical test) of specific IgE antibodies to common ragweed pollen allergen extract. Western blotting analysis was performed on recombinant allergen rAmb a 1 mixed and heated (100°C, 5 min) with reducing SDS loading buffer. Sample was resolved using 15% Tris-glycine gel electrophoresis. Nitrocellulose membrane blot was stained with Ponceau S to verify protein transfer. After thorough washing and blocking steps, the membrane was incubated with plasma of an allergic patient (1:10). Captured rAmb a 1 sIgE antibodies were detected by biotinylated anti-human IgE secondary antibody (2 µg/ml) followed by IRDye 800CW Streptavidin (1:5000).



SDS-PAGE

Recombinant allergen rAmb a 1 purity verification. 5 µg of rAra h 2 with > 95 % purity checked by Coomassie Brilliant Blue stained SDS-PAGE.

ADDITIONAL INFORMATION

Related Product Information for rAmb a 1 (Ambrosia artemisiifolia 1.0101) recombinant protein	Recombinant protein rAmb a 1 is expressed in Escherichia coli. DNA sequence encoding 384 AAs was fused with Strep-tag at the N-terminus. A calculated molecular mass of recombinant protein is 41 kDa.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ramb-a-1-ambrosia-artemisiifolia-1-0101-recombinant-protein-e-coli-elisa/129314>