

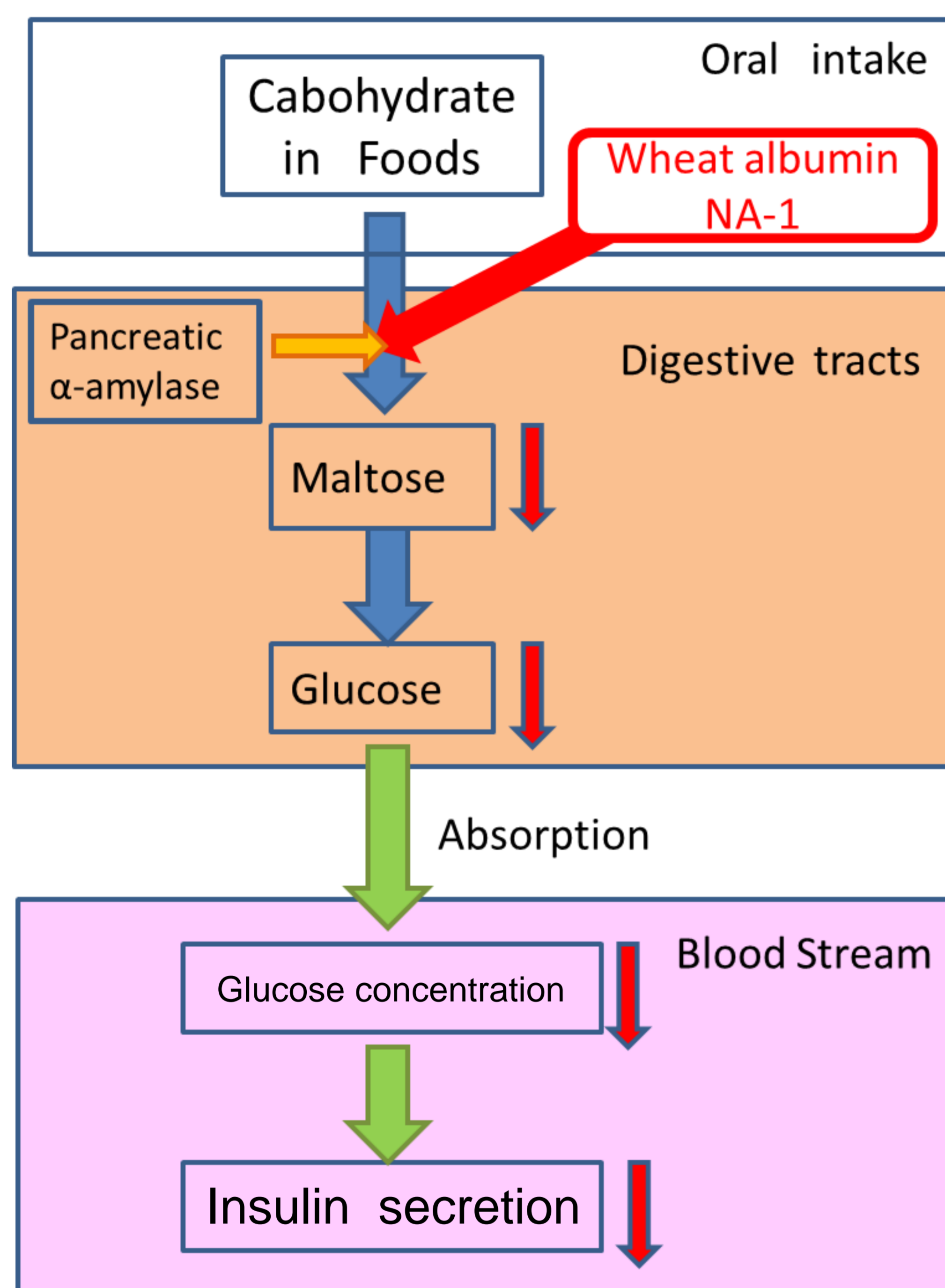
Potent pancreatic amylase inhibitor from wheat



Wheat albumin NA-1

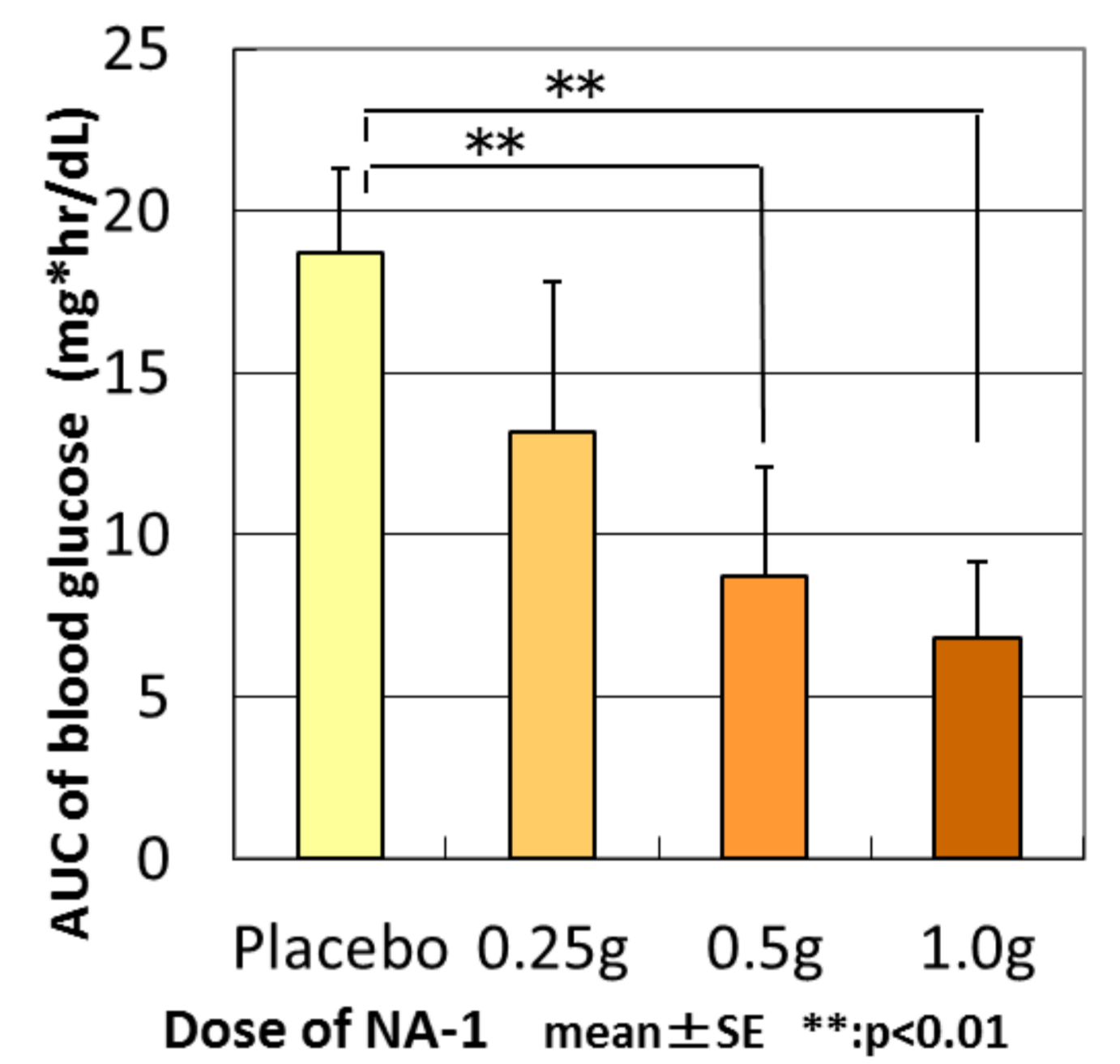
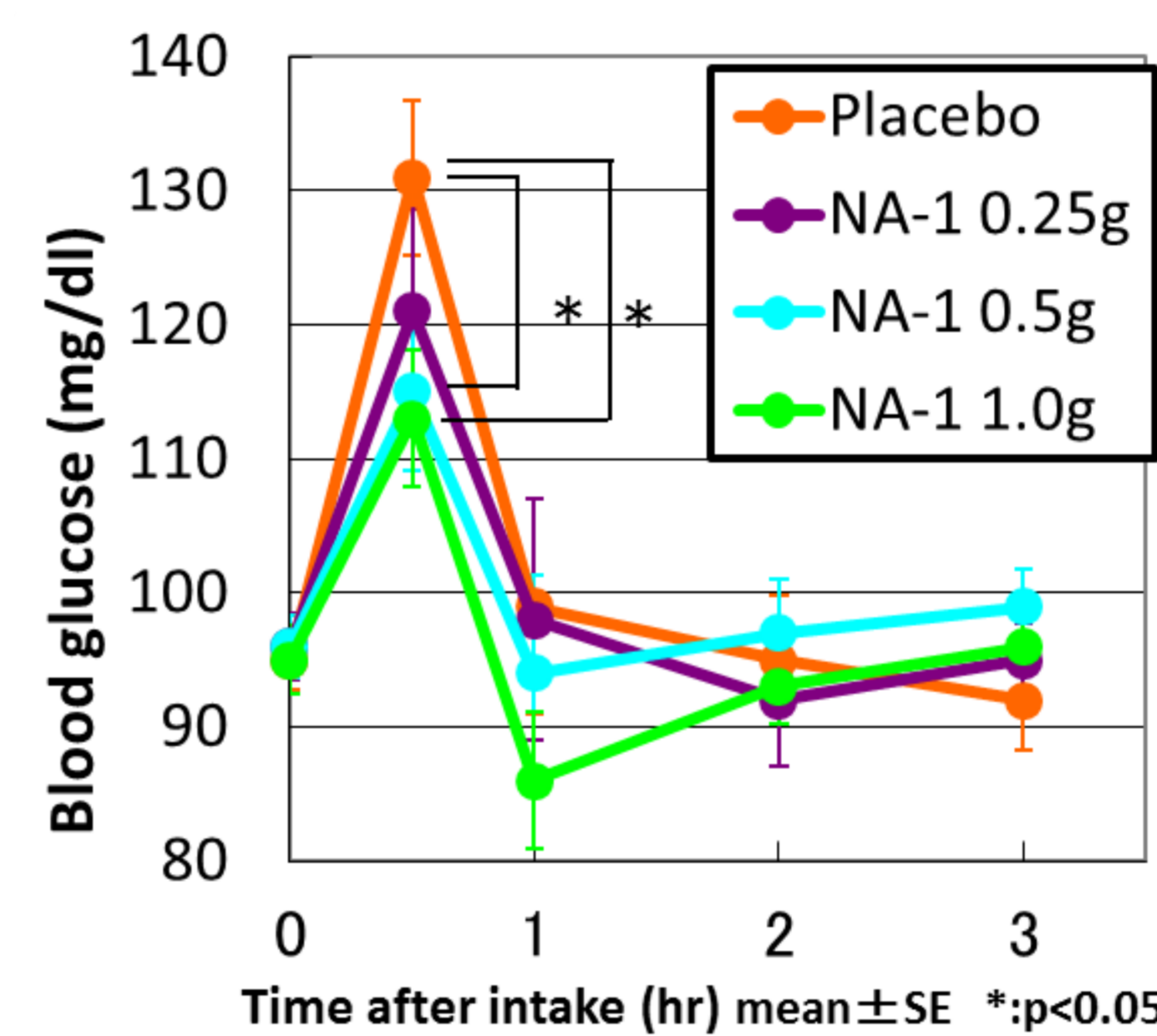
Wheat albumin NA-1 is water soluble protein mixture from wheat, which contains 0.19- α -albumin, a potent pancreatic α -amylase inhibitory protein as a main active component. It has the suppressive effect against blood glucose increase after intake of carbohydrate-containing foods via delaying the carbohydrate-digestive process in the small intestine.

How does NA-1 work?



Suppressive effect of postprandial hyperglycemia

Participants	Number of participants	Study design	Intervention
healthy human	n=11	crossover	Period: single Form: soup

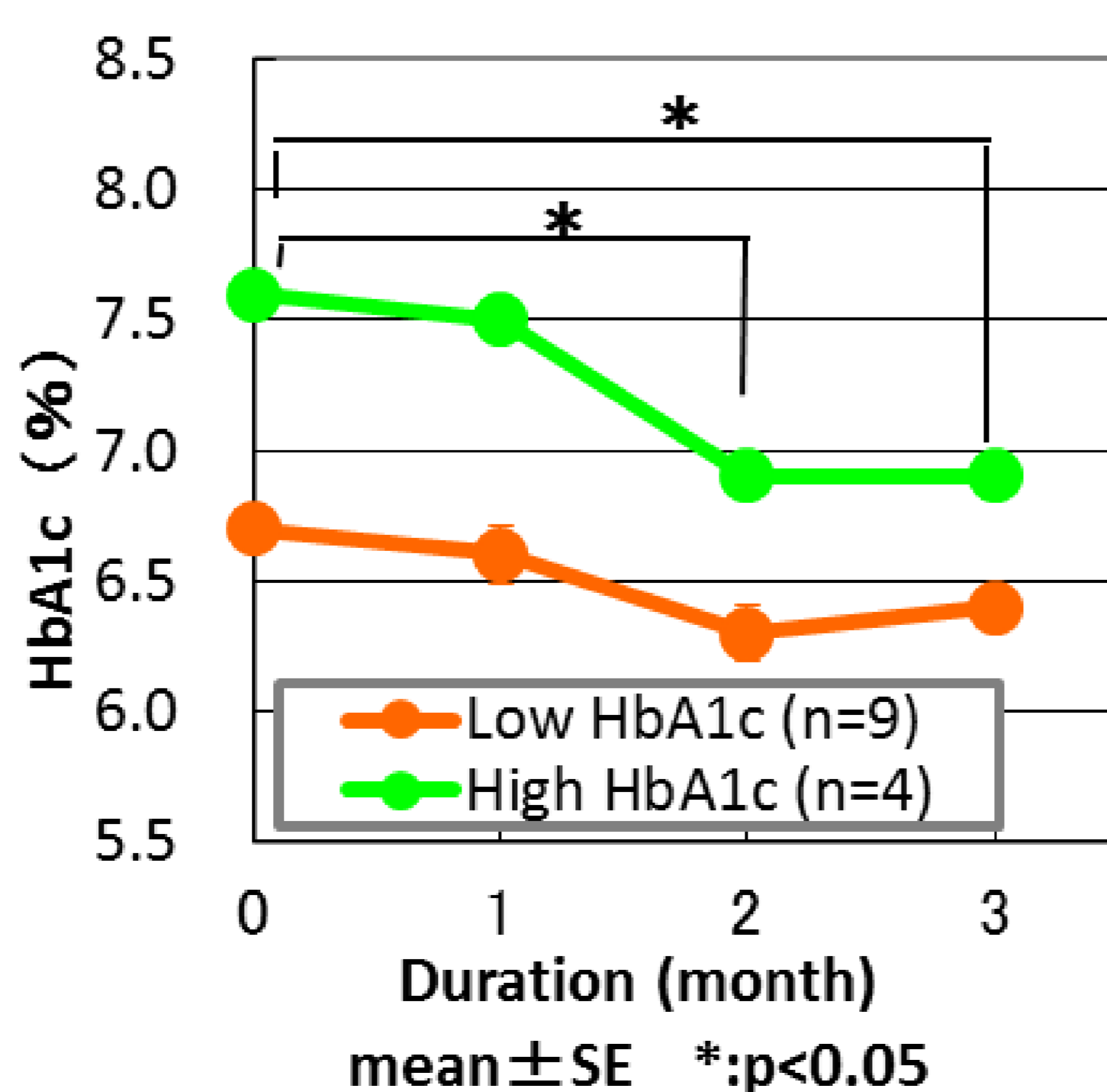
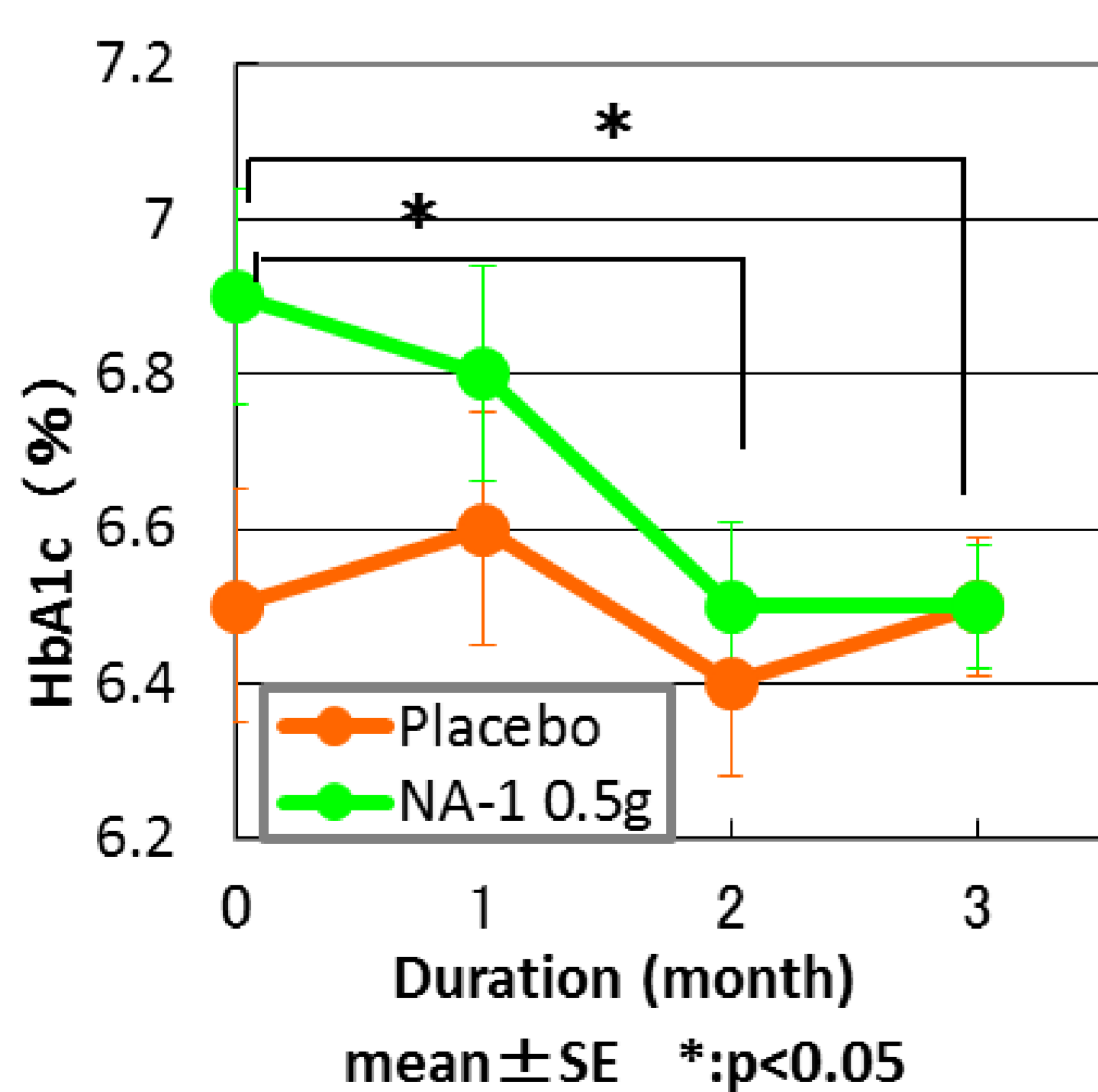


Kodama T et al, *Euro J Clin Nutr* (2004) 59;384-392

NA-1 has the suppressive effect of postprandial hyperglycemia, consequently the AUC of blood glucose decreases.

Reduction in HbA1c

Participants	Number of participants	Study design	Intervention
type 2 diabetic patients	NA-1, n=13 control, n=5	double-blind, parallel-group, comparative study	Period: 3 months Form: soup

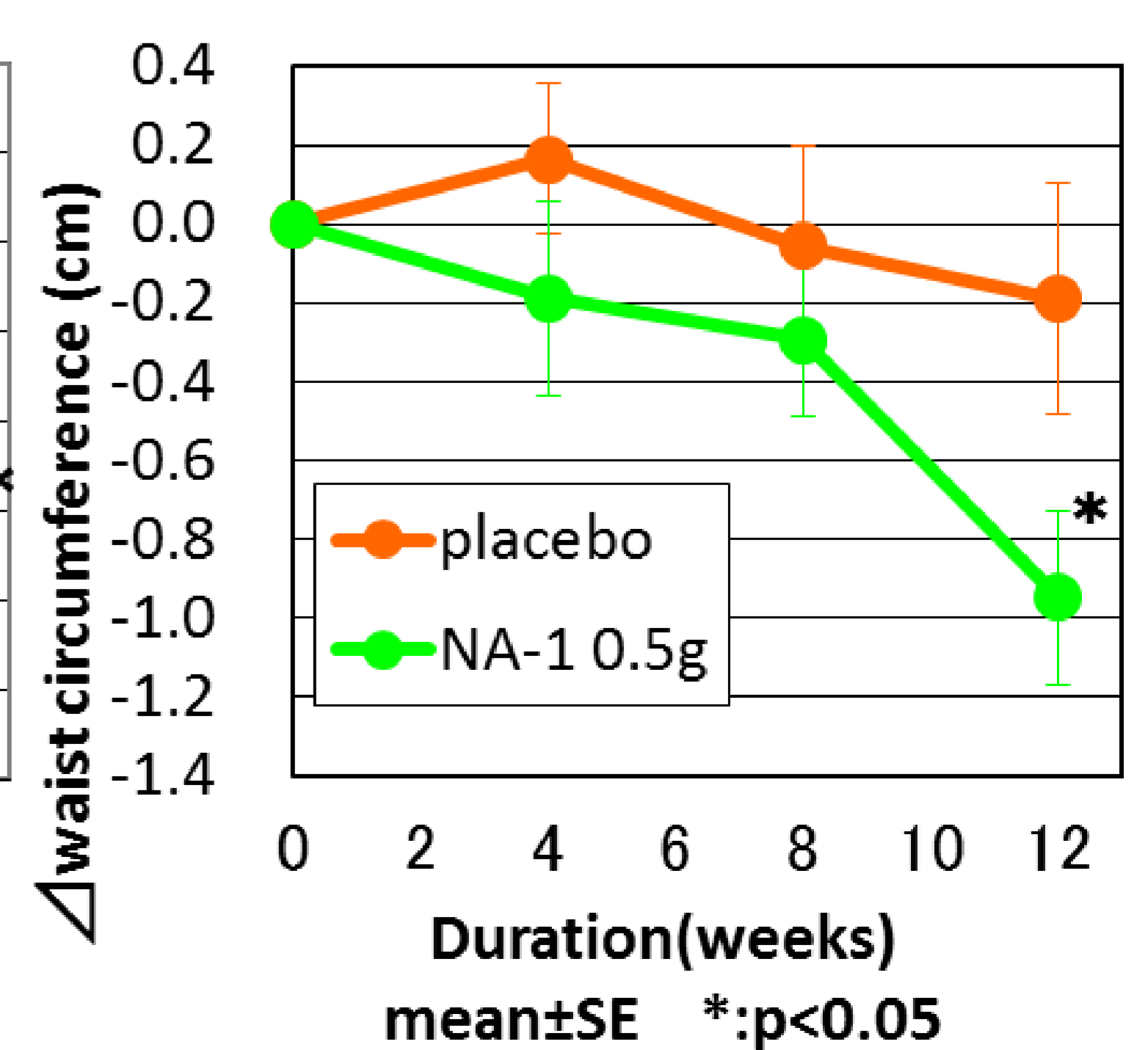
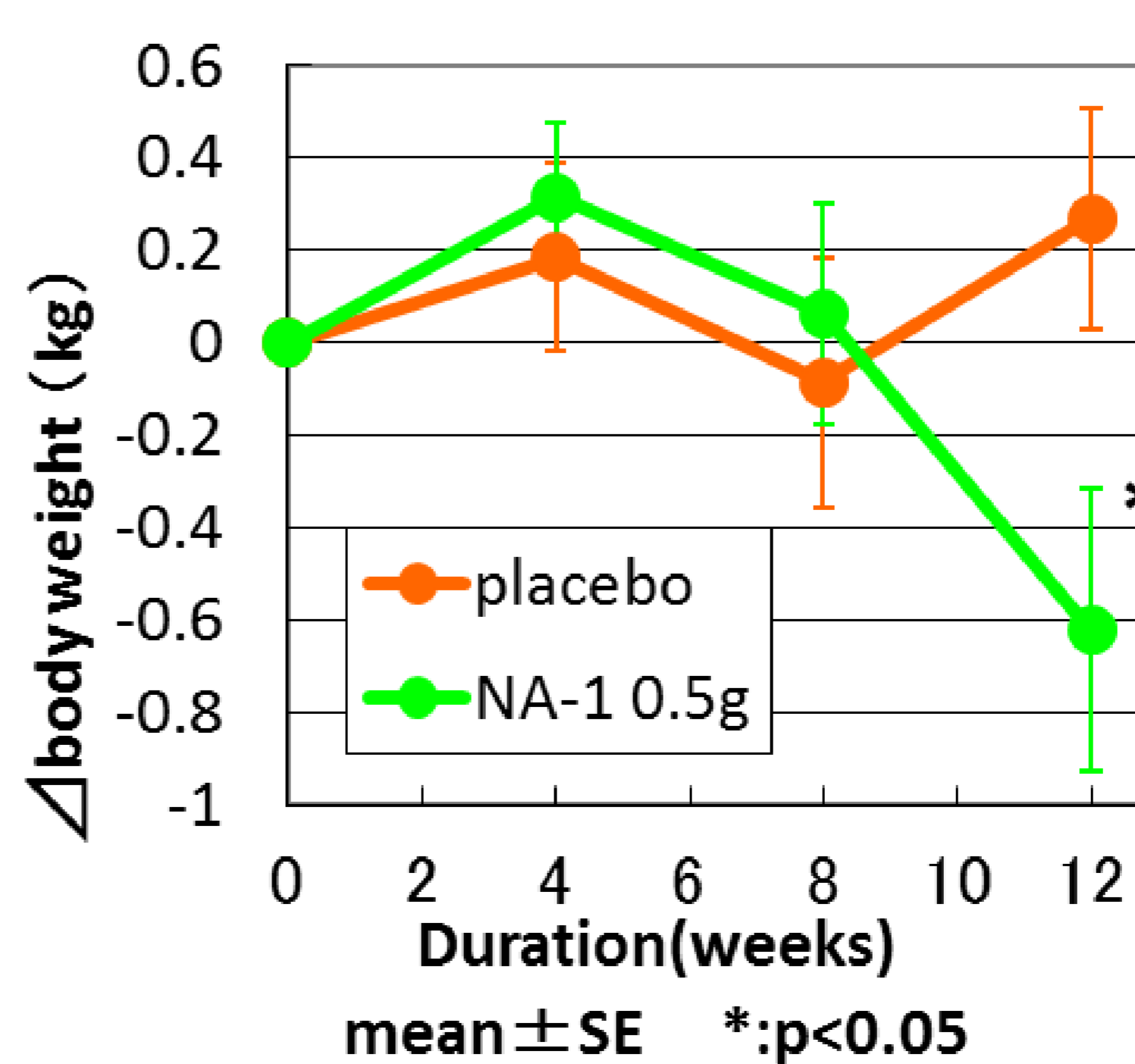


Kodama T et al, *Euro J Clin Nutr* (2004) 59;384-392

Consumption of NA-1 reduces HbA1c which reflects the glycemic control over the previous two to three months.

Anti-obesity effect

Participants	Number of participants	Study design	Intervention
mild obesity	NA-1, n=19 control, n=20	double-blind, parallel-group, comparative study	Period: 3 months Form: capsules



Kodama T et al *Journal of Japanese Society of Clinical Nutrition* (2007) 29(2);81-89

The body weight and the waist circumference were decreased in NA-1 0.5 g administered group.