



Recombinant Chicken Gal d 3 [His] (DAG-WT223)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Recombinant Chicken Gal d 3 is produced by Mammalian expression system and the target gene encoding Ala20-Lys705 is expressed with a 6His tag at the C-terminus.
Purity	> 95 % as determined by SDS-PAGE.
Conjugate	His
Applications	Immunogen/Calibrator or standard
Molecular Weight	76.7kDa
Format	Liquid
Size	1 mg
Buffer	20mM Tris-HCl, 300mM NaCl, 0.01% Tween 80, 1mM EDTA, 50% Glycerol, pH8.0
Storage	Store at $\leq -20^{\circ}\text{C}$

BACKGROUND

Introduction	Egg allergy accounts for one of the most prevalent food hypersensitivities in industrialized countries. The majority of the relevant egg allergens have been identified in the egg white: ovomucoid (Gal d 1), a Kazal-type serine protease inhibitor; ovalbumin (Gal d 2), a serine protease inhibitor; ovotransferrin (Gal d 3); and the egg lysozyme (Gal d 4). Transferrins are iron binding transport proteins which can bind two Fe^{3+} ions in association with the binding of an anion, usually bicarbonate. Responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. There are two forms of hen transferrin, ovotransferrin, found in the oviducts and, serum transferrin, secreted by the liver. Serum
---------------------	--

transferrin may also have a role in stimulating cell proliferation and is regulated by iron levels.
Ovotransferrin has a bacteriostatic function and, is not controlled by iron levels.

Keywords

Ovotransferrin; Gal d III; Gal d 3; Food allergies; Egg allergies

GENE INFORMATION

UniProt ID

P02789
