



Dioxin [KLH] (DAG5607)

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

PRODUCT INFORMATION

Antigen Description

Dioxins are a group of highly toxic chemical compounds that are produced during burning processes, such as commercial or municipal waste incineration, backyard burning, and the use of fuels. In chemistry, a dioxin is a heterocyclic 6-membered ring, where two carbon atoms have been replaced by oxygen atoms. According to structure similarity, dioxins can be divided into three types: chlorinated dibenzo-p-dioxins (CDDs), chlorinated dibenzofurans (CDFs) and some polychlorinated biphenyls (PCBs). And the general speakly dioxin is often refers to the 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD), one of the most toxic dioxin. TCDD has been linked to the herbicide Agent Orange, which was used during the Vietnam War to strip the leaves from trees. But TCDD is quite stable, and chemical decomposition occurs only at temperatures above 700 °C, so it is persistent environmental pollutants.

Species	N/A
Conjugate	KLH
Applications	The antigen can be used in ELISA assay.
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements.
Size	1 mg
Buffer	0.01M pH7.4 PBS
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.