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Mouse IgE ELISA Kit

产品编号： bsk12030
种属： Mouse
线性范围： 312 - 20,000 pg/mL
应用范围： S/P/CC
检测限： 156 pg/mL
适用样品基质： cell culture supernates, serum, and plasma.
保存条件： Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.).
产品介绍： There are five classes of mammalian immunoglobulins: IgA, IgD, IgE, IgG, and IgM. In mice, the IgG class is further divided into four subclasses: IgG1, IgG2a/ IgG2c (strain specific), IgG2b, and IgG3.The general immunoglobulin structure is described as two heavy and two light chain (H2L2) polypeptides linked together by disulfide bridges of cysteine residues. Mouse IgE, also known as reaginic antibody, exists in serum as a 4-chain monomer of 185–200 kDa. Like IgM, the IgE monomers contain a fourth constant region domain. Serum concentrations of IgE are reported to be >10 ug/ml. IgE is cyolytic for mast cells, where it binds to the Fc RI receptor and is able to mediate the response of granular and lipid mediators of inflammation, including the PCA reaction. The IgE class switch is induced by IL-4 as part of the Th2 response.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.514] Li Li Xu. et al. SWATH-MS-based proteomics reveals functional biomarkers of Th1/Th2 responses of tropomyosin allergy in mouse models. Food Chem. 2022 Jul;383:132474 ELISA ; Mouse . 10.1016/j.foodchem.2022.132474

[IF=3.361] Li HT et al. Airway inflammation and remodeling of cigarette smoking exposure ovalbumin-induced asthma is alleviated by CpG oligodeoxynucleotides via affecting dendritic cell-mediated Th17 polarization. Int Immunopharmacol. 2020 Mar 2;82:106361. ELISA ; mouse . 32135492

[IF=2.056] Xu L et al. Allergenicity of tropomyosin of shrimp (Litopenaeus vannamei) and clam (Ruditapes philippinarum) is higher than that of fish (Larimichthys crocea) via in vitro and in vivo assessment. European Food Research and Technology. 2019. ELISA ; Mouse . doi:10.1007/s00217-019-03402-0