



Anti-Human IgHE monoclonal antibody, clone 5G5 [HRP] (DCABH-9548)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Human IgE (HRP)
Antigen Description	IgE is typically the least abundant isotype - blood serum IgE levels in a normal ("non-atopic") individual are ~150 ng/ml, compared to 10 mg/ml for the IgGs - it is capable of triggering the most powerful immune reactions. Most of our knowledge of IgE has come from research into the mechanism of a form of allergy known as type 1 hypersensitivity. There is much speculation into what physiological benefits IgE contributes, and so far, circumstantial evidence in animal models and statistical population trends have hinted that IgE may be beneficial in fighting gut parasites such as <i>Schistosoma mansoni</i> , but this has not been conclusively proven in humans. IgE may play an important role in the immune systems recognition of cancer, in which the stimulation of a strong cytotoxic response against cells displaying only small amounts of early cancer markers would be beneficial. IgE may be an important target in treatments for allergy and asthma.
Specificity	IgE Ce3-domain specific.
Immunogen	IgE from myelomatous human serum.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5G5
Purification	Purified by chromatography on protein A Sepharose. Purity is tested by electrophoresis.
Conjugate	HRP

Applications	ELISA, Sandwich ELISA
Format	Liquid
Size	200 µg
Buffer	Preservative: 0.05% Proclin; Constituents: PBS, pH 7.4
Preservative	None
Storage	Store at +4°C.

GENE INFORMATION

Gene Name	IGHG Immunoglobulin heavy constant epsilon [Homo sapiens]
Official Symbol	IGHG
Synonyms	IGHG; Immunoglobulin heavy constant epsilon;
Entrez Gene ID	28223