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10-108: NALE™ Purified Human IgG4 Isotype Control Recombinant Antibody (Clone: QA16A15)

Clonality :	Monoclonal
Clone Name :	QA16A15
Application :	ELISA,FACS
Format :	Low Endotoxin
Alternative Name :	IGHG4, immunoglobulin heavy chain constant region gamma 4,
Isotype :	Human IgG4, k

Description

IgG4 is the least abundant immunoglobulin present in the human serum. IgG4 is implicated in a unique process called fab-arm exchange (FAE) and limits the formation of immune complex. It has anti-inflammatory properties. IgG4 functions as a therapeutic antibody. It provides protection against allergy, prevents mast cell degranulation and has a harmful role in malignant melanoma. IgG4 may be associated with autoimmune diseases such as, autoimmune pancreatitis (AIP) type 1 and 2, Mikulicz syndrome, Kuttner′s tumor, Riedel′s thyroiditis and tubulointerstitial nephritis.

Product Info

Amount :	100 µg
Purification :	Low Endotoxin, Azide-Free antibody was purified by affinity chromatography.
Content :	0.2 µm filtered in phosphate-buffered solution, pH 7.8, containing no preservative. Endotoxin level is <0.01 EU/µg of the protein (<0.001 ng/µg of the protein) as determined by the LAL test.
Storage condition :	The antibody solution should be stored undiluted between 2°C and 8°C. This antibody contains no preservative; handle under aseptic conditions.

Application Note

QA16A15 is a recombinant human IgG4. It can be used as an isotype control when evaluating fully human, humanized, or chimeric antibodies. This product is suitable as an isotype-matched control for ELISA, immunoblotting, FACS, IHC, and functional studies. Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis as negative control. Use at concentrations comparable to those of the specific antibody of interest.



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