

## ARG81153 Human IgD ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG81153 Human IgD ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IgD in serum, plasma, cell culture, urine, saliva and milk.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	IgD
Conjugation	HRP
Conjugation Note	Substrate: read at 450 nm
Sensitivity	0.03 ng/ml
Sample Type	Serum, plasma, cell culture, urine, saliva and milk.
Standard Range	0.0625 - 2 ng/ml
Sample Volume	50 µl
Alternate Names	Immunoglobulin D

### Application Instructions

Assay Time	~ 4 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

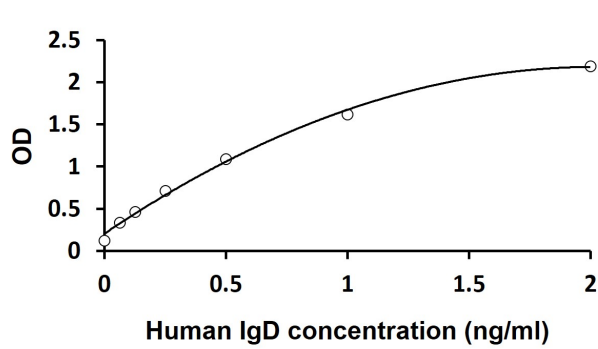
### Bioinformation

Gene Symbol	IGHD
Gene Full Name	immunoglobulin heavy constant delta
Function	IgD is the major antigen receptor isotype on the surface of most peripheral B-cells, where it is coexpressed with IgM. The membrane-bound IgD (mIgD) induces the phosphorylation of CD79A and CD79B by the Src family of protein tyrosine kinases. Soluble IgD (sIgD) concentration in serum below those of IgG, IgA, and IgM but much higher than that of IgE. IgM and IgD molecules present on B cells have identical V regions and antigen-binding sites. After the antigen binds to the B-cell receptor, the secreted form sIgD is shut off. IgD is a potent inducer of TNF, IL1B, and IL1RN. IgD also induces release of IL6, IL10, and LIF from peripheral blood mononuclear cells. Monocytes seem to be the main producers of cytokines in vitro in the presence of IgD. [UniProt]

Highlight

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[Simplify the ELISA analysis by GainData](#)

Images



ARG81153 Human IgD ELISA Kit standard curve image

ARG81153 Human IgD ELISA Kit results of a typical standard run with optical density reading at 450 nm.