

ARG81623 Human DAND5 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81623-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81623-002	Standard	2 X 10 ng/vial	4°C
ARG81623-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81623-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81623-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81623-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81623-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81623-008	25X Wash buffer	20 ml	4°C
ARG81623-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81623-010	STOP solution	10 ml (Ready to use)	4°C
ARG81623-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81623 Human DAND5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human DAND5 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	DAND5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.3% Inter-Assay CV: 6.9%
Alternate Names	CRL2; Cerberus-like protein 2; GREM3; SP1; Gremlin-3; DANTE; CKTSF1B3; CER2; Cerl-2; COCO; CERL2; DAN domain family member 5; Cysteine knot superfamily 1, BMP antagonist 3

Application Instructions

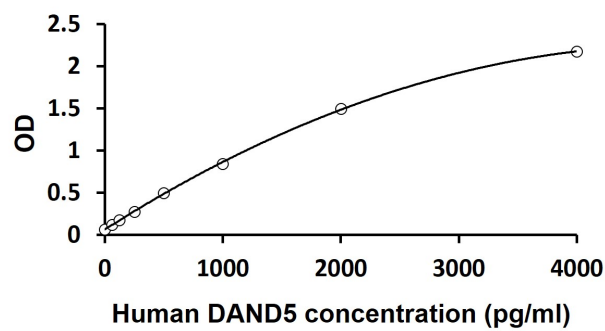
Assay Time	~ 5 hours
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Properties

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	DAND5
Gene Full Name	DAN domain family member 5, BMP antagonist
Background	This gene encodes a member of the BMP (bone morphogenic protein) antagonist family. Like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, to which this gene belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted protein encoded by this gene is likely due to its direct binding to BMP proteins. As an antagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tissue differentiation. In mouse, this protein has been shown to bind Nodal and to inhibit the Nodal signaling pathway which patterns left/right body asymmetry. [provided by RefSeq, Jul 2008]
Function	Seems to play a role in the correct specification of the left-right axis. May antagonize NODAL and BMP4 signaling. Cystine knot-containing proteins play important roles during development, organogenesis, tissue growth and differentiation (By similarity). [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81623 Human DAND5 ELISA Kit standard curve image

ARG81623 Human DAND5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.