ARG82467
Human CD358 / DR6 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82467-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82467-002	Standard	2 X 10 ng/vial	4°C
ARG82467-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82467-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82467-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82467-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82467-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82467-008	25X Wash buffer	20 ml	4°C
ARG82467-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82467-010	STOP solution	10 ml (Ready to use)	4°C
ARG82467-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82467 Human CD358 / DR6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD358 / DR6 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CD358 / DR6
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.9% Inter-Assay CV: 5.5%

Alternate Names	CD antigen CD358; CD358; Tumor necrosis factor receptor superfamily member 21; DR6; Death receptor 6; BM-018

Application Instructions

Assay Time	~ 5 hours

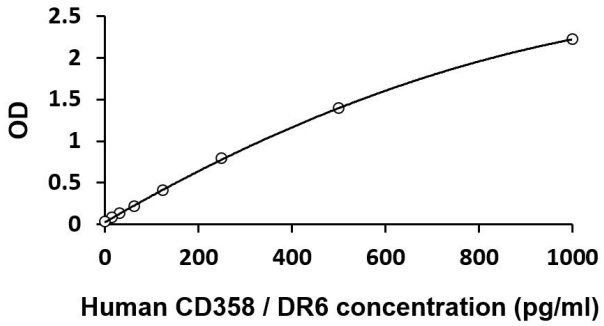
Properties

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	TNFRSF21
Gene Full Name	tumor necrosis factor receptor superfamily, member 21
Background	This gene encodes a member of the tumor necrosis factor receptor superfamily. The encoded protein activates nuclear factor kappa-B and mitogen-activated protein kinase 8 (also called c-Jun N-terminal kinase 1), and induces cell apoptosis. Through its death domain, the encoded receptor interacts with tumor necrosis factor receptor type 1-associated death domain (TRADD) protein, which is known to mediate signal transduction of tumor necrosis factor receptors. Knockout studies in mice suggest that this gene plays a role in T-helper cell activation, and may be involved in inflammation and immune regulation. [provided by RefSeq, Jul 2013]
Function	Promotes apoptosis, possibly via a pathway that involves the activation of NF-kappa-B. Can also promote apoptosis mediated by BAX and by the release of cytochrome c from the mitochondria into the cytoplasm. Plays a role in neuronal apoptosis, including apoptosis in response to amyloid peptides derived from APP, and is required for both normal cell body death and axonal pruning. Trophic-factor deprivation triggers the cleavage of surface APP by beta-secretase to release sAPP-beta which is further cleaved to release an N-terminal fragment of APP (N-APP). N-APP binds TNFRSF21; this triggers caspase activation and degeneration of both neuronal cell bodies (via caspase-3) and axons (via caspase-6). Negatively regulates oligodendrocyte survival, maturation and myelination. Plays a role in signaling cascades triggered by stimulation of T-cell receptors, in the adaptive immune response and in the regulation of T-cell differentiation and proliferation. Negatively regulates T-cell responses and the release of cytokines such as IL4, IL5, IL10, IL13 and IFNG by Th2 cells. Negatively regulates the production of IgG, IgM and IgM in response to antigens. May inhibit the activation of JNK in response to T-cell stimulation. [UniProt]
Highlight	Related products: CD358 antibodies; CD358 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG82467 Human CD358 / DR6 ELISA Kit standard curve image

ARG82467 Human CD358 / DR6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.