

Human tumor necrosis factor-related apoptosis-inducing ligand 3, TRAIL-R3 ELISA Kit | TRAIL-R3 elisa kit

Human tumor necrosis factor-related apoptosis-inducing ligand receptor 3, TRAIL-R3 ELISA Kit

CATALOG # AAA79687	REACTIVITY Human
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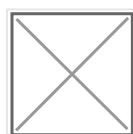
PRODUCT SYNONYMS

tumor necrosis factor-related apoptosis-inducing ligand 3; TRAIL-R3; Human tumor necrosis factor-related apoptosis-inducing ligand receptor 3; TRAIL-R3 ELISA Kit; TRAIL-R3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human TRAIL-R3. No significant cross-reactivity or interference between Human TRAIL-R3 and analogues was observed.
Samples	Serum, plasma, tissue homogenates
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	15.6 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TRAIL-R3 elisa kit	Introduction: TNF-related apoptosis-inducing ligand (TRAIL), also known as Apo-2 ligand and TNFSF10, is a type II transmembrane protein with a carboxy-terminal extracellular domain that exhibits homology to other TNF superfamily members. TRAIL binds at least five different receptors: TRAIL R1 (DR4), R2 (DR5), R3 (DcR1), R4 (DcR2), and osteoprotegerin (OPG). TRAIL receptors all exhibit cysteine-rich repeats characteristic of the TNF receptor superfamily. TRAIL R1 and R2 are type 1 transmembrane proteins with intracellular death domains (DD) and, subsequently, have the ability to mediate TRAIL-induced apoptosis. The remaining receptors are decoys that may regulate TRAIL activity by competing for binding sites with TRAIL R1 and R2. TRAIL R3 is membrane-associated via GPI linkage. TRAIL R4 is a type 1 transmembrane receptor, but exhibits a truncated cytoplasmic domain. Like the active receptors TRAIL R1 and R2, OPG has a DD motif but is a soluble protein. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TRAIL-R3. Standards or samples are then added to the appropriate microtiter plate wells. And a HRP-conjugated antibody is added to each microplate well and incubated. Then substrate solution is added to each well. Only those wells that contain TRAIL-R3, HRP-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of TRAIL-R3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tumor-necrosis-factor-related-apoptosis-inducing-ligand-3-trail-r3/79687>