

Human BD-2 CLIA Kit | BD-2 clia kit

BD-2 (Human) LumiAb ELISA Kit

CATALOG #
AAA318518

REACTIVITY
Human

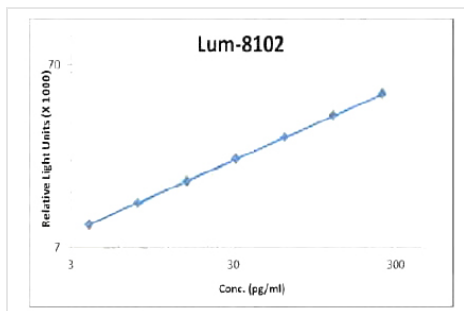
PRODUCT SYNONYMS

BD-2; BD-2 (Human) LumiAb ELISA Kit; Human BD-2; hBD-2; Defensin beta 2; Skin-antimicrobial peptide 1; SAP1; DEFB4; DEFB102; DEFB2; DEFB4P; Beta-defensin 2; BD-2 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human 4-1BBR ELISA is capable of recognizing both recombinant and naturally produced Human 4-1BBR proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Sequence Length	64
Assay Type	Quantitative Sandwich
Sensitivity	8 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BD-2 clia kit	Principle of the Assay: The LumiAb Human 4-1BB-R Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human 4-1BB-R concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Human 4-1BB-R while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a sensitive luminescent reaction to ensue upon substrate addition. When the Peroxide Enhancer solution is added, the reaction catalyzed by peroxidase yields light that is representative of the antigen concentration. After a brief incubation, the microplate can be read with a luminometer, allowing for generation of a standard curve and subsequent determination of protein concentration!!Background/Introduction: Human 4-1BB Ligand Receptor, also known as the Tumor Necrosis Factor Receptor Superfamily Member 9, is a 255 amino acid cytokine protein implicated in T-cell activation pathways. After initial synthesis of the peptide, the cytokine is proteolytically cleaved by proteases, thus separating the 23 residue signal sequence from the actual mature 232 residue 4-1BB Receptor sequence. The protein is expressed from the TNFRSF9 gene located at locus 1p36 on chromosome 1. The 4-1BB receptor or TNFRSF9 inherently has high affinity binding for the 4-1BB ligand such that upon binding, the receptor contributes to clonal expansion, survival and development of T-cells. It can also induce proliferation in peripheral monocytes, enhance T-cell apoptosis induced by TCR/CD3 triggered activation and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins such as TRAF1, TRAF2 and TRAF 3 have been shown to bind to this receptor and transducer the signals leading to activation of NF-kappaB.
Product Categories/Family for BD-2 clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	3023383
NCBI GeneID	100289462
UniProt Accession #	O15263
NCBI Official Full Name	Beta-defensin 4A
NCBI Official Synonym Full Names	defensin beta 4B
NCBI Official Symbol	DEFB4B
NCBI Official Synonym Symbols	DEFB4P
NCBI Protein Information	beta-defensin 4B
UniProt Protein Name	Beta-defensin 4A
UniProt Gene Name	DEFB4A
UniProt Synonym Gene Names	DEFB102; DEFB2; DEFB4; BD-2; hBD-2; SAP1
UniProt Entry Name	DFB4A_HUMAN

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.