

Human 4-1BB-R CLIA Kit | 4-1BB-R clia kit

4-1BB-R (Human) LumiAb ELISA Kit

CATALOG #
AAA318517

REACTIVITY
Human

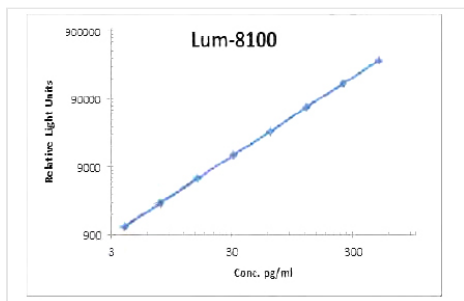
PRODUCT SYNONYMS

4-1BB-R; 4-1BB-R (Human) LumiAb ELISA Kit; Human 4-1BB-R; Tumor necrosis factor receptor superfamily member 9; 4-1BB ligand receptor T-cell; antigen 4-1BB homolog; T-cell antigen ILA; CD137 antigen; CDw137; ILA; 4-1BB; MGC2172; 4-1BBR; TNFRSF9; 4-1BB-R 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. Human: 4-1BBL, AITRL, BAFF, BAFF Receptor, BCMA, CD40 Ligand/TRAP, Fas Receptor, LIGHT, OPG, sOX40L, sRANK (Receptor), sRANKL, TACI, TL-1A, TNF-alpha, TNF-beta, sTNF-Receptor Type I, sTNF-Receptor Type II, sTRAIL/Apo2L, sTRAIL Receptor-1, sTRAIL Receptor-2, TWEAK, TWEAK Receptor
Sequence Length	255
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 4-1BB-R clia kit	Principle of the Assay: The Inosine Assay Kit measures total inosine within biological samples. Inosine is converted into hypoxanthine by purine nucleoside phosphorylase (PNP). Then hypoxanthine is converted to xanthine and hydrogen peroxide by xanthine oxidase (XO). The resulting hydrogen peroxide is then detected with a highly specific fluorometric probe. Horseradish peroxidase catalyzes the reaction between the probe and hydrogen peroxide, which bind in a 1:1 ratio. Samples are compared to a known concentration of inosine standard within the 96-well microtiter plate format. Samples and standards are incubated for 15 minutes and then read with a standard 96-well fluorometric plate reader (Figure 1)!!Background/Introduction: Inosine is a nucleoside that is created when a ribose ring attaches to hypoxanthine through a beta-N9-glycosidic bond. In the DNA synthesis pathway, adenine is first modified to form adenosine or inosine monophosphate (IMP) Next, either form is converted into inosine which can form base pairs with adenine (A), cytosine (C), and uracil (U). Inosine is most often found in tRNAs and is important for faithful translation of the genetic code in wobble base pairs. A better understanding of inosine metabolism has led to immunotherapy advances in recent years. Inosine monophosphate is oxidized by inosine monophosphate dehydrogenase to create xanthosine monophosphate, an important precursor in purine metabolism. Mycophenolate mofetil is a drug that acts as an inhibitor of inosine monophosphate dehydrogenase and is used in the treatment of a number of autoimmune diseases including granulomatosis with polyangiitis. In addition inosine has been demonstrated to have neuroprotective properties. It has been suggested for administration in both spinal cord injury and after stroke since it enhances the rewiring of axonal connections. Inosine may also benefit multiple sclerosis (MS) patients since ingestion leads to conversion to uric acid that is thought to be a natural antioxidant and a peroxynitrite scavenger. Inosine treatment of Parkinson's disease patients has been shown to slow progression of the disease in clinical trials. The Inosine Assay Kit is a simple fluorometric assay that measures the amount of total inosine present in biological samples in a 96-well microtiter plate format. Each kit provides sufficient reagents to perform up to 100 assays*, including blanks, inosine standards, and unknown samples. Sample inosine concentrations are determined by comparison with a known inosine standard. The kit has a detection sensitivity limit of 300 nM inosine.
Product Categories/Family for 4-1BB-R clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	5730095
NCBI GeneID	3604
NCBI Accession #	NP_001552.2
NCBI GenBank Nucleotide #	NM_001561.5
UniProt Accession #	Q07011
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 9
NCBI Official Synonym Full Names	TNF receptor superfamily member 9
NCBI Official Symbol	TNFRSF9
NCBI Official Synonym Symbols	ILA; 4-1BB; CD137; CDw137
NCBI Protein Information	tumor necrosis factor receptor superfamily member 9
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 9
UniProt Gene Name	TNFRSF9
UniProt Synonym Gene Names	CD137; ILA
UniProt Entry Name	TNR9_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/4-1bb-r/318517>