

Mouse sRANK Ligand CLIA Kit | TNFRSF11a clia kit

sRANK Ligand (Murine) LumiAb ELISA Kit

CATALOG #
AAA318581

REACTIVITY
Mouse

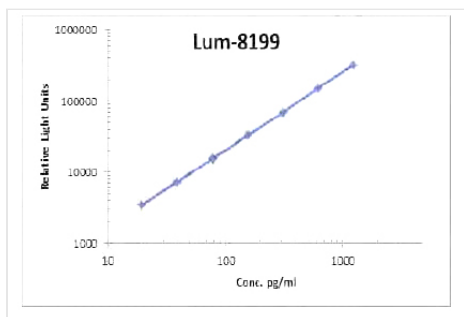
PRODUCT SYNONYMS

sRANK Ligand; sRANK Ligand (Murine) LumiAb ELISA Kit; Murine sRANK Ligand; Tumor necrosis factor receptor superfamily member 11A; Osteoclast differentiation factor receptor; ODFR; Receptor activator of NF-KB; CD265; Rank; TNFRSF11a clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The LumiAb Murine SCF ELISA is capable of recognizing both recombinant and naturally produced Murine SCF proteins. The antigens listed below were tested at 50 ng/ml and exhibited 100% cross reactivity.
Sequence Length	625
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 TNFRSF11a clia kit	Principle of the Assay: The LumiAb Murine SCF Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Murine SCF 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 Murine SCF 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: Murine SCF or Stem Cell Factor, also known as Kit Ligand, is a 273 amino acid cytokine protein expressed from the Kitl gene located on chromosome 10. After initial synthesis and translocation, the 25 residue signal sequence is cleaved, allowing for the 248 residue SCF to properly fold and mature. If the SCF or Kit Ligand is cleaved again on the C-terminal end at residue 190, then the soluble Kit Ligand is formed. SCF, a non-covalently linked homodimer, is known to stimulate the proliferation of mast cells and is able to augment the proliferation of both myeloid and lymphoid hematopoietic progenitors in bone marrow culture. Also, SCF serves to mediate cell-cell adhesion and acts synergistically with other cytokines and interleukins.
Product Categories/Family for TNFRSF11a clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	17380323
NCBI GeneID	21934
UniProt Accession #	O35305
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 11A
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 11a, NFkB activator
NCBI Official Symbol	Tnfrsf11a
NCBI Official Synonym Symbols	OFE; ODFR; Rank; Ly109; mRANK; TRANCE-R
NCBI Protein Information	tumor necrosis factor receptor superfamily member 11A
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 11A
UniProt Gene Name	Tnfrsf11a
UniProt Synonym Gene Names	Rank; ODFR
UniProt Entry Name	TNR11_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/tnfrsf11a-mouse-clia-kits/srank-ligand/318581>