

Human ICAM-5 ELISA Kit | ICAM5 elisa kit

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CATALOG #
AAA263050

REACTIVITY
Human

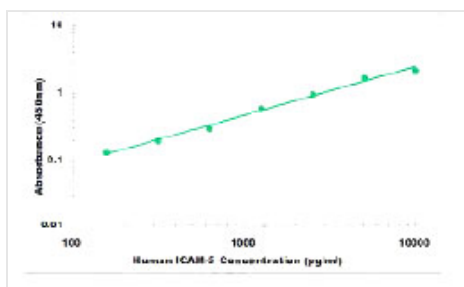
PRODUCT SYNONYMS

ICAM-5; Human ICAM-5 ELISA Kit; TLCN; TLN; Intercellular adhesion molecule 5; Telencephalin; ICAM5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human ICAM-5 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human ICAM-5 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	924
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ICAM5 elisa kit

Principle of the Assay: The Human ICAM-5 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human ICAM-5 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human ICAM-5 coated on a 96-well plate. Standards and samples are pipetted into the wells and ICAM-5 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human ICAM-5 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of ICAM-5 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Intercellular adhesion molecule 5 is a protein that in humans is encoded by the ICAM5 gene. The protein encoded by this gene is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein is expressed on the surface of telencephalic neurons and displays two types of adhesion activity, homophilic binding between neurons and heterophilic binding between neurons and leukocytes. It may be a critical component in neuron-microglial cell interactions in the course of normal development or as part of neurodegenerative diseases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189571583
NCBI GeneID	7087
NCBI Accession #	NP_003250.3
NCBI GenBank Nucleotide #	NM_003259.3
UniProt Accession #	Q9UMF0; Q9Y6F3
Molecular Weight	97,116 Da
NCBI Official Full Name	intercellular adhesion molecule 5
NCBI Official Synonym Full Names	intercellular adhesion molecule 5
NCBI Official Symbol	ICAM5
NCBI Official Synonym Symbols	TLN; TLCN
NCBI Protein Information	intercellular adhesion molecule 5
UniProt Protein Name	Intercellular adhesion molecule 5
UniProt Gene Name	ICAM5
UniProt Synonym Gene Names	TLCN; TLN; ICAM-5
UniProt Entry Name	ICAM5_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.

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Online datasheet: <https://stage.aaabiotech.com/icam5-human-elisa-kits/icam-5/263050>