

Human KIM-1 ELISA Kit

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CATALOG #
AAA76954

REACTIVITY
Human

PRODUCT SYNONYMS

KIM-1; Human KIM-1 ELISA Kit; Human KIM-1; KIM-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Immunoperoxidase Assay for Determination of Kim-1 in Human Samples
Assay Type	Sandwich
Intended Uses	The Kidney Injury Molecule (KIM-1) test kit is a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring KIM-1 in biological samples of Humans.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for KIM-1 elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the KIM-1 present in samples reacts with the anti- KIM-1 antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, the Detection Antibody, biotin conjugated anti-KIM-1, is added and complexes are formed. Following a wash step, the horseradish peroxidase (HRP) conjugated Streptavidin is added and complexes are formed. After another washing step, the complexes are assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of KIM-1 in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of KIM-1 in the test sample. The quantity of KIM-1 in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Background: KIM-1 is a trans-membrane structural glycoprotein in renal epithelial cells. These cells will shed KIM-1 antigen during regeneration into the urine which makes urinary KIM-1 a useful biomarker for kidney injury.
Product Categories/Family for KIM-1 elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	2665892
NCBI Official Full Name	kidney injury molecule-1

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.