

Mouse PIGR ELISA Kit | PIGR elisa kit

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CATALOG #
AAA258475

REACTIVITY
Mouse

PRODUCT SYNONYMS

PIGR; Mouse PIGR ELISA Kit; PIGR ELISA Kit; Mouse; polymeric immunoglobulin receptor; Pigr ELISA Kit; PIGR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	For the quantitative determination of Mouse PIGR concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	6.25-400pg/mL
Sensitivity	3.72pg/ML
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

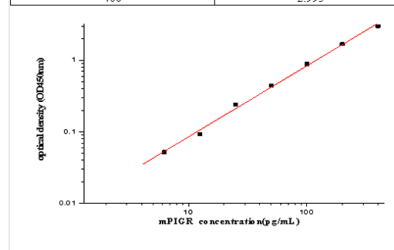
IMAGES

Recombinant human			
PIGR			
Recombinant mouse			
IL1A	IL1B	IL2	IL12B
TNFA(80-235)	IL6	IFNG	CCL3
VEGF164	IL18R1	IL17a	IL18
IL12A+IL12B	XCL1		

Application Data

This assay recognizes both recombinant and natural Mouse PIGR. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
6.25	0.052
12.5	0.093
25	0.241
50	0.445
100	0.889
200	1.683
400	2.995



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for PIGR elisa kit	This PIGR ELISA Kit, Mouse is an enzyme-linked immunosorbent assay for the quantitative measurement of Mouse PIGR protein in Serum. It contains recombinant Mouse PIGR, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Polymeric immunoglobulin receptor, also known as PIGR, is a member of the immunoglobulin superfamily and a Fc receptor. The ectodomain of this receptor consists of five units with homology to the variable units of immunoglobulins and a transmembrane region, which also has some homology to certain immunoglobulin variable regions. PIGR is expressed on several glandular epithelia including those of liver and breast. The deduced amino-acid sequence has a length of 764 residues and shows an overall similarity of 56% and 64% with the rabbit and rat counterpart. PIGR mediates transcellular transport of polymeric immunoglobulin molecules, and thus facilitates the secretion of IgA and IgM. During this process, a cleavage occurs that separates the extracellular (known as the secretory component) from the transmembrane segment of PIGR.
References	Coyne, R. S. et al., 1995, J. Biol. Chem. 269 (50) :31620-31625. Kaetzel, C.S., 2001, Curr Biol. 11(1): R35-38.

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://www.aaabiotech.com/mouse-elisa-kits/pigr/258475>