DATASHEET

Insulin Receptor Mouse Monoclonal Antibody Pair (ARA511/ARA512)

CAT. NO. ARA5835

KEY FEATURES

Target	Insulin Receptor	**Antibody Pair**	ARA511/ARA512
Source/Host	Mouse	**Reactivity**	Human
Clonality	Monoclonal	**Applications**	ELISA
Storage	at -20°C	**SwissProt**	P06213

BACKGROUND

Insulin receptor (INSR) is a transmembrane receptor tyrosine kinase that mediates insulin signaling and regulates glucose homeostasis, lipid metabolism, cell growth, and survival. The mature receptor contains extracellular alpha subunits for insulin binding and transmembrane beta subunits with intrinsic tyrosine kinase activity. INSR dysfunction can impair insulin signaling and contribute to insulin resistance and metabolic disease.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

ELISA	Assay-dependent

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

OVERVIEW

Description	Mouse monoclonal antibody pair for Human Insulin Receptor
Capture Antibody	ARA511
Detection Antibody	ARA512
Protein Standard	Recombinant Insulin Receptor protein
Applications	Sandwich ELISA
Antigen Species	Human
Gene Symbol	INSR
SwissProt	P06213
Alternative Names	Insulin receptor; IR; CD220; Insulin receptor subunit alpha; Insulin receptor subunit beta

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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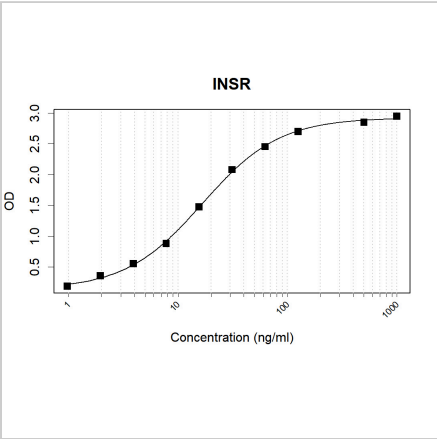
DATA



Sandwich ELISA detection of Human Insulin Receptor using Insulin Receptor Mouse Monoclonal Antibody Pair (ARA511/ARA512). Microtiter wells were coated with ARA511 at 5 µg/mL as the capture antibody. Recombinant Insulin Receptor protein was used as the antigen, and 1 µg/mL biotin-conjugated ARA512 was used as the detection antibody. This matched antibody pair detects Human Insulin Receptor with high specificity.

CONTENT

Insulin Receptor Mouse Monoclonal Antibody(ARA512)	ARA5837	Mouse lgG2a
Insulin Receptor Mouse Monoclonal Antibody(ARA511)	ARA5836	Mouse lgG2b

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: www.arexbio.com