Human Thyroid Membrane Lysate

Cat. No. Thyroid-530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Human Thyroids
Concentration	2 mg/mL or better
Tissue Type	Thyroid
Shipping	Dry ice
Preparation method	Human thyroid tissue membrane protein lysate was prepared by isolating the membrane protein from whole tissue homogenates using a proprietary technique. The human thyroid tissue was frozen in liquid nitrogen immediately after excision and then stored at -70?C. The membrane protein is provided in a buffer including HEPES (pH 7.9), MgCl2, KCl, EDTA, Sucrose, Glycerol, sodium deoxycholate, NP-40, and a cocktail of protease inhibitors. For quality control purposes, the isolated thyroid tissue membrane protein pattern on SDS-PAGE gel is shown to be consistent for each lot by visualization with coomassie blue staining. The isolated thyroid tissue membrane protein is then Western analyzed by either GAPDH or β-actin antibody to confirm there is no signal or very weak signal.
Diagnosis	Normal

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Storage Buffer	HEPES pH 7.9, MgCl2, KCl, EDTA, Sucrose, Glycerol, Sodium deoxycholate, and NP-40.
Storage Instruction	Store at 2-8?C for continuous use. For extended storage, freeze working aliquots at -70?C. Repeated freezing and thawing is not recommended. Under proper storage conditions the shelf life is half a year from the date of receipt.
Applications	Thyroid membrane protein lysate is for use in Western blotting, 10 µg to 20 µg per lane is recommended for mini gel.

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