











## PRODUCT DATA SHEET

### **Ready-to-Screen Tissue BLOTS™** **Human Normal Muscle Cell Tissue Blot**

**Catalog #:** TB53

**Lot #:** -----

**Components:** Protein blot of **Human Normal Muscle Cell** Tissue samples arranged as follows:

Lane 1	Protein Marker*	211,806		Myosin
Lane 2	Aortic Smooth Muscle Cells (AoSMC)	121,020		β-galactosidase
Lane 3	Bronchial/Tracheal Smooth Muscle Cells (BSMC)	100,216		Bovine Serum Albumin
Lane 4	Coronary Artery Smooth Muscle Cells (CASMC)	54,395		Ovalbumin
Lane 5	Pulmonary Artery Smooth Muscle Cells (PASMC)	38,708		Carbonic Anhydrase
Lane 6	Umbilical Artery Smooth Muscle Cells (UASMC)	29,806		Soybean Trypsin Inhibitor
Lane 7	Uterine Smooth Muscle Cells (UtSMC)	20,040		Lysozyme
Lane 8	Skeletal Muscle Cells (SKMC)	7,331		Aprotinin
Lane 9	----			
Lane 10	----			

**Size:** 1 Blot

\* Lot #: 300002325-BR

**Storage Condition:** 4° C

**Methods Involved:** The proteins were isolated from various **human normal muscle cell tissues** by preparing a tissue homogenate in the presence of protease inhibitors. Protein samples (50µg) from each tissue were solubilized in SDS-lysis buffer and electrophoresed in a 10 well, 4-20% SDS-polyacrylamide gradient gel, followed by electroblotting on PVDF membrane.

**Quality Control:** Proteins isolated from each lot were run on 4-20% gel and stained with G-Biosciences *RapidStain™* to check for its quality. Actin antibody was used to test the separation and transfer of protein from each lot.

**Instructions for Use:** Remove the blot (membrane) from the pouch and wash with an appropriate buffer (1X TBST or PBST) 1-2 times. Block the membrane with a protein blocking agent; e.g., G-Biosciences *NAP™*-Blocker or *BLOT-QuickBlocker™*, and incubate with the primary and secondary antibodies diluted in blocking solution, following the standard protocol. Develop the blot with chemiluminescent or chromogenic detection reagents for the detection of the specific protein.

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