

Product sheet

RCC-MH | 300237

General Information

Description	Cell line derived from a patient with renal cell carcinoma (RCC), pT2, No, M0/GII. Cell line established in 1999, HLA-A2 positive.
Organism	Human
Tissue	Renal cell carcinoma
Disease	Renal cell carcinoma, pT2, M0/GII
Synonyms	KTCTL-129, KTCTL129, RCCMH

Characteristics

Age	59 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent, requires growth factors

Documentation

Citation	RCC-MH (Cell line) Cytion 300237
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5885

Surface Markers

Surface antigens	CD8, CD18, CD19, CD44, CD45, CD47, CD133, CD138, CD147, CD166, CD167, CD168, CD169, CD170, CD171, CD172, CD173, CD174, CD175, CD176, CD177, CD178, CD179, CD180, CD181, CD182, CD183, CD184, CD185, CD186, CD187, CD188, CD189, CD190, CD191, CD192, CD193, CD194, CD195, CD196, CD197, CD198, CD199, CD200, CD201, CD202, CD203, CD204, CD205, CD206, CD207, CD208, CD209, CD210, CD211, CD212, CD213, CD214, CD215, CD216, CD217, CD218, CD219, CD220, CD221, CD222, CD223, CD224, CD225, CD226, CD227, CD228, CD229, CD230, CD231, CD232, CD233, CD234, CD235, CD236, CD237, CD238, CD239, CD240, CD241, CD242, CD243, CD244, CD245, CD246, CD247, CD248, CD249, CD250, CD251, CD252, CD253, CD254, CD255, CD256, CD257, CD258, CD259, CD260, CD261, CD262, CD263, CD264, CD265, CD266, CD267, CD268, CD269, CD270, CD271, CD272, CD273, CD274, CD275, CD276, CD277, CD278, CD279, CD280, CD281, CD282, CD283, CD284, CD285, CD286, CD287, CD288, CD289, CD290, CD291, CD292, CD293, CD294, CD295, CD296, CD297, CD298, CD299, CD300, CD301, CD302, CD303, CD304, CD305, CD306, CD307, CD308, CD309, CD310, CD311, CD312, CD313, CD314, CD315, CD316, CD317, CD318, CD319, CD320, CD321, CD322, CD323, CD324, CD325, CD326, CD327, CD328, CD329, CD330, CD331, CD332, CD333, CD334, CD335, CD336, CD337, CD338, CD339, CD340, CD341, CD342, CD343, CD344, CD345, CD346, CD347, CD348, CD349, CD350, CD351, CD352, CD353, CD354, CD355, CD356, CD357, CD358, CD359, CD360, CD361, CD362, CD363, CD364, CD365, CD366, CD367, CD368, CD369, CD370, CD371, CD372, CD373, CD374, CD375, CD376, CD377, CD378, CD379, CD380, CD381, CD382, CD383, CD384, CD385, CD386, CD387, CD388, CD389, CD390, CD391, CD392, CD393, CD394, CD395, CD396, CD397, CD398, CD399, CD400, CD401, CD402, CD403, CD404, CD405, CD406, CD407, CD408, CD409, CD410, CD411, CD412, CD413, CD414, CD415, CD416, CD417, CD418, CD419, CD420, CD421, CD422, CD423, CD424, CD425, CD426, CD427, CD428, CD429, CD430, CD431, CD432, CD433, CD434, CD435, CD436, CD437, CD438, CD439, CD440, CD441, CD442, CD443, CD444, CD445, CD446, CD447, CD448, CD449, CD450, CD451, CD452, CD453, CD454, CD455, CD456, CD457, CD458, CD459, CD460, CD461, CD462, CD463, CD464, CD465, CD466, CD467, CD468, CD469, CD470, CD471, CD472, CD473, CD474, CD475, CD476, CD477, CD478, CD479, CD480, CD481, CD482, CD483, CD484, CD485, CD486, CD487, CD488, CD489, CD490, CD491, CD492, CD493, CD494, CD495, CD496, CD497, CD498, CD499, CD500, CD501, CD502, CD503, CD504, CD505, CD506, CD507, CD508, CD509, CD510, CD511, CD512, CD513, CD514, CD515, CD516, CD517, CD518, CD519, CD520, CD521, CD522, CD523, CD524, CD525, CD526, CD527, CD528, CD529, CD530, CD531, CD532, CD533, CD534, CD535, CD536, CD537, CD538, CD539, CD540, CD541, CD542, CD543, CD544, CD545, CD546, CD547, CD548, CD549, CD550, CD551, CD552, CD553, CD554, CD555, CD556, CD557, CD558, CD559, CD560, CD561, CD562, CD563, CD564, CD565, CD566, CD567, CD568, CD569, CD570, CD571, CD572, CD573, CD574, CD575, CD576, CD577, CD578, CD579, CD580, CD581, CD582, CD583, CD584, CD585, CD586, CD587, CD588, CD589, CD590, CD591, CD592, CD593, CD594, CD595, CD596, CD597, CD598, CD599, CD600, CD601, CD602, CD603, CD604, CD605, CD606, CD607, CD608, CD609, CD610, CD611, CD612, CD613, CD614, CD615, CD616, CD617, CD618, CD619, CD620, CD621, CD622, CD623, CD624, CD625, CD626, CD627, CD628, CD629, CD630, CD631, CD632, CD633, CD634, CD635, CD636, CD637, CD638, CD639, CD640, CD641, CD642, CD643, CD644, CD645, CD646, CD647, CD648, CD649, CD650, CD651, CD652, CD653, CD654, CD655, CD656, CD657, CD658, CD659, CD660, CD661, CD662, CD663, CD664, CD665, CD666, CD667, CD668, CD669, CD670, CD671, CD672, CD673, CD674, CD675, CD676, CD677, CD678, CD679, CD680, CD681, CD682, CD683, CD684, CD685, CD686, CD687, CD688, CD689, CD690, CD691, CD692, CD693, CD694, CD695, CD696, CD697, CD698, CD699, CD700, CD701, CD702, CD703, CD704, CD705, CD706, CD707, CD708, CD709, CD710, CD711, CD712, CD713, CD714, CD715, CD716, CD717, CD718, CD719, CD720, CD721, CD722, CD723, CD724, CD725, CD726, CD727, CD728, CD729, CD730, CD731, CD732, CD733, CD734, CD735, CD736, CD737, CD738, CD739, CD740, CD741, CD742, CD743, CD744, CD745, CD746, CD747, CD748, CD749, CD750, CD751, CD752, CD753, CD754, CD755, CD756, CD757, CD758, CD759, CD760, CD761, CD762, CD763, CD764, CD765, CD766, CD767, CD768, CD769, CD770, CD771, CD772, CD773, CD774, CD775, CD776, CD777, CD778, CD779, CD780, CD781, CD782, CD783, CD784, CD785, CD786, CD787, CD788, CD789, CD790, CD791, CD792, CD793, CD794, CD795, CD796, CD797, CD798, CD799, CD800, CD801, CD802, CD803, CD804, CD805, CD806, CD807, CD808, CD809, CD810, CD811, CD812, CD813, CD814, CD815, CD816, CD817, CD818, CD819, CD820, CD821, CD822, CD823, CD824, CD825, CD826, CD827, CD828, CD829, CD830, CD831, CD832, CD833, CD834, CD835, CD836, CD837, CD838, CD839, CD840, CD841, CD842, CD843, CD844, CD845, CD846, CD847, CD848, CD849, CD850, CD851, CD852, CD853, CD854, CD855, CD856, CD857, CD858, CD859, CD860, CD861, CD862, CD863, CD864, CD865, CD866, CD867, CD868, CD869, CD870, CD871, CD872, CD873, CD874, CD875, CD876, CD877, CD878, CD879, CD880, CD881, CD882, CD883, CD884, CD885, CD886, CD887, CD888, CD889, CD890, CD891, CD892, CD893, CD894, CD895, CD896, CD897, CD898, CD899, CD900, CD901, CD902, CD903, CD904, CD905, CD906, CD907, CD908, CD909, CD910, CD911, CD912, CD913, CD914, CD915, CD916, CD917, CD918, CD919, CD920, CD921, CD922, CD923, CD924, CD925, CD926, CD927, CD928, CD929, CD930, CD931, CD932, CD933, CD934, CD935, CD936, CD937, CD938, CD939, CD940, CD941, CD942, CD943, CD944, CD945, CD946, CD947, CD948, CD949, CD950, CD951, CD952, CD953, CD954, CD955, CD956, CD957, CD958, CD959, CD960, CD961, CD962, CD963, CD964, CD965, CD966, CD967, CD968, CD969, CD970, CD971, CD972, CD973, CD974, CD975, CD976, CD977, CD978, CD979, CD980, CD981, CD982, CD983, CD984, CD985, CD986, CD987, CD988, CD989, CD990, CD991, CD992, CD993, CD994, CD995, CD996, CD997, CD998, CD999, CD1000.
-------------------------	---

RCC-MH | 300237

Thawing and Culturing Cells

1. **Thawing:** Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. **Centrifugation:** Centrifuge the cells at 300 x g for 3 minutes at 4°C.
3. **Resuspension:** Resuspend the cells in 10 ml of pre-warmed medium.
4. **Seeding:** Seed the cells into a T25 flask containing 15 ml of pre-warmed medium.
5. **Incubation:** Incubate the cells at 37°C with 5% CO₂ in a humidified atmosphere.
6. **Monitoring:** Monitor the cell growth and confluency daily.
7. **Passaging:** Pass the cells when they reach 70-80% confluency.
8. **Storage:** Store the cells in liquid nitrogen for long-term storage.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Harvest cells at 70-80% confluency, resuspend in freezing medium, and store in liquid nitrogen.

Shipping Conditions Store at -78°C in liquid nitrogen.

Storage Conditions Store at -150°C for up to 196 months.

Genotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable agents.

████████ RCC-MH | 300237

████████ STR

Amelogenin: x,x
CSF1PO: 11,12
D13S317: 11
D16S539: 12
D5S818: 9,1
D7S820: 8,12
TH01: 7
TPOX: 8
vWA: 15,18
D3S1358: 17
D21S11: 29,3
D18S51: 16
Penta E: 5,12
Penta D: 12,13
D8S1179: 9:15
FGA: 22
PEZ6: HROG17