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Product Description

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Cell Biology	
ATCC® Number: TIB-71™	<input type="button" value="Order this item"/>
Price: \$203.00	
Designations: RAW 264.7	Depositors: WC Raschke
Biosafety Level: 1	Shipped: frozen
Medium & Serum: See Propagation	Growth Properties: adherent
Organism: <i>Mus musculus</i> (mouse)	Morphology: monocyte/macrophage
	
Source:	Tissue: ascites Cell type: macrophage; Abelson murine leukemia virus transformed Disease: Abelson murine leukemia virus-induced tumor
Cellular Products:	lysozyme [1207]
Permits/Forms:	In addition to the MTA mentioned above, other ATCC and/or regulatory permits may be required for the transfer of this ATCC material. Anyone purchasing ATCC material is ultimately responsible for obtaining the permits. Please click here for information regarding the specific requirements for shipment to your location.
<i>Related Cell Culture Products</i>	
Applications:	Biological response [92560] transfection host (Roche FuGENE® Transfection Reagents)
Receptors:	complement (C3) [1207]
Antigen Expression:	H-2d
Strain:	BALB/c
Age:	adult
Gender:	male
Comments:	This line was established from a tumor induced by Abelson murine leukemia virus. [1207] This line does not secrete detectable virus particles and is negative in the XC plaque formation assay. [1207] They are negative for surface immunoglobulin (sIg-), Ia (Ia-) and Thy-1.2 (Thy-1.2-). [1135] [1207] The cells will pinocytose neutral red and will phagocytose latex beads and zymosan. [1207]

	They are capable of antibody dependent lysis of sheep erythrocytes and tumor cell targets. [1207] LPS or PPD treatment for 2 days stimulates lysis of erythrocytes but not tumor cell targets. [1135]
Propagation:	ATCC complete growth medium: Dulbecco's modified Eagle's medium with 4 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate and 4.5 g/L glucose, 90%; fetal bovine serum, 10% Temperature: 37.0C Atmosphere: air, 95%; carbon dioxide (CO ₂), 5%
Subculturing:	Protocol: Subcultures are prepared by scraping. For a 75 cm ² flask, remove all but 10 ml culture medium (adjust amount accordingly for other culture vessels). Dislodge cells from the flask substrate with a cell scraper; aspirate and add appropriate aliquots of the cell suspension into new culture vessels. Subcultivation ratio: A subcultivation ratio of 1:3 to 1:6 is recommended Medium renewal: Replace or add medium every 2 to 3 days.
Preservation:	Freeze medium: Complete growth medium supplemented with 5% (v/v) DMSO Storage temperature: liquid nitrogen vapor phase
Related Products:	Recommended medium (without the additional supplements or serum described under ATCC Medium): ATCC 30-2002 recommended serum: ATCC 30-2020
References:	1135: Ralph P , Nakoinz I . Antibody-dependent killing of erythrocyte and tumor targets by macrophage-related cell lines: enhancement by PPD and LPS. J. Immunol. 119: 950-954, 1977. PubMed: 894031 1207: Raschke WC , et al. Functional macrophage cell lines transformed by Abelson leukemia virus. Cell 15: 261-267, 1978. PubMed: 212198 32443: Denlinger LC , et al. Regulation of inducible nitric oxide synthase expression by macrophage purinoreceptors and calcium. J. Biol. Chem. 271: 337-342, 1996. PubMed: 8550583 32466: Hambleton J , et al. Activation of c-Jun N-terminal kinase in bacterial lipopolysaccharide-stimulated macrophages. Proc. Natl. Acad. Sci. USA 93: 2774-2778, 1996. PubMed: 8610116 32553: Taylor GA , et al. Identification of anovel GTPase, the inducibly expressed GTPase, that accumulates in response to interferon gamma. J. Biol. Chem. 271: 20399-20405, 1996. PubMed: 8702776 32901: Li YM , et al. Molecular identity and cellular distribution of advanced glycation endproduct receptors: relationship of p60 to OST-48 and p90 to 80K-H membrane proteins. Proc. Natl. Acad. Sci. USA 93: 11047-11052, 1996. PubMed: 8855306 33046: Panneerselvam K , Freeze HH . Mannose enters mammalian cells using a specific transporter that is insensitive to glucose. J. Biol. Chem. 271: 9417-9421, 1996. PubMed: 8621609 33076: Lokuta MA , et al. Mechanisms of murine RANTES chemokine gene induction by newcastle disease virus. J. Biol. Chem. 271: 13731-13738, 1996. PubMed: 8662857 33162: Taylor MF , et al. In vitro efficacy of morpholino-modified antisense oligomers directed against tumor necrosis factor-alpha mRNA. J. Biol. Chem. 271: 17445-17452, 1996. PubMed: 8663413 92560: Standard Practice for Testing for Biological Responses to Particles in Vitro. West Conshohocken, PA: ASTM International; ASTM Standard Test Method F 1903-98R03.

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RAW 264.7

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