



# Mouse Anti-A V-src Synthetic Oncogene Peptide Hybridoma [312-56F0] (CSC-H0876)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	This hybridoma produces mAbs (IgG1 and IgG2b) against A V-src Synthetic Oncogene Peptide
<b>Immunogen</b>	Synthetic polypeptide with the sequence LMCQCWRKDPEERPTF corresponding to peptides 494 to 509 of the v-src oncogene (formerly 273 to 284)
<b>Isotype</b>	IgG1 and IgG2b
<b>Species</b>	Other Sources
<b>Clone</b>	312-56F0
<b>Storage</b>	Liquid nitrogen vapor phase.
	Freezing medium: to fetal bovine serum, add 10% (v/v) DMSO
<b>Ship</b>	Dry Ice
<b>Immunological Donor</b>	Mouse spleen
<b>Cell Line Description</b>	Animals were immunized with a synthetic polypeptide with the sequence LMCQCWRKDPEERPTF corresponding to peptides 494 to 509 of the v-src oncogene (formerly 273 to 284). Spleen cells were fused with Sp2/0 myeloma cells. In ELISA testing, the antibody cross reacts with the homologous region of FES, v-mos, erb B, v-src, FGR, yes, mil, FMS, abl, ros, lck, and MET. Weak activity was detected for PKS and fps. Binding was not detected for c-mos, MOS, SRC, ros, rel, FMS, HIR, TRK, sea, and kit. In immunoblot testing, a protein of approximately 40 kd is detected in fetal brain. The IgG1 reactivity of the antibody with the v-src peptide (494 to 509) was confirmed by ELISA.

<b>Myeloma</b>	P3X63Ag8
<b>Fusion Species</b>	Mouse X Mouse Hybridoma
<b>Growth Properties</b>	Suspension
<b>Morphology</b>	Lymphoblast
<b>Propagation</b>	Complete growth medium: 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate, and 1500 mg/L sodium bicarbonate, fetal bovine serum to a final concentration of 10%. Temperature: 37.0 centigrade
<b>Culture Medium</b>	DMEM with 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate and 1500 mg/L sodium bicarbonate , supplemented with 10% FBS.
<b>Subculturing</b>	Incubate cells at 37°C with 5% CO <sub>2</sub> in air atmosphere, renew medium every 2-3 days, start cells at 2x10 <sup>5</sup> cells/mL and maintain cultures between 1x10 <sup>5</sup> -1x10 <sup>6</sup> cells/ml
<b>Mycoplasma</b>	Mycoplasma Status: Negative (MycoAlert Kit)
<b>Cellular Products</b>	Immunoglobulin: monoclonal antibody against a v-src synthetic oncogene peptide
<b>Preservation</b>	Culture medium 95%; DMSO, 5%
<b>Safety Considerations</b>	The following safety precautions should be observed. <ol style="list-style-type: none"> <li>1. Use pipette aids to prevent ingestion and keep aerosols down to a minimum.</li> <li>2. No eating, drinking or smoking while handling the hybridoma.</li> <li>3. Wash hands after handling the hybridoma and before leaving the lab.</li> <li>4. Decontaminate work surface with disinfectant or 70% ethanol before and after working with hybridoma.</li> <li>5. All waste should be considered hazardous.</li> <li>6. Dispose of all liquid waste after each experiment and treat with bleach.</li> </ol>