

Material Safety Data Sheet

SECTION 1: PRODUCT IDENTIFICATION

Product Name: Akt1, 2 (phospho-Ser473) Enzyme Immunometric Kit	Product Number: 900-162
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Manufacturer's Information:	
Company Name:	Assay Designs, Inc.
Address:	5777 Hines Drive Ann Arbor, MI 48108 USA
Emergency Phone Numbers:	800.833.8651 (USA & Canada) 734.668.6113
Fax Number:	734.668.2793

SECTION 2: COMPONENTS

<u>Part Number:</u>	<u>Name:</u>	<u>Quantity:</u>
80-1630	Akt Microtiter Plate	1 each
80-1653	Akt1, 2 (phospho-Ser473) EIA Conjugate	10 mL
80-1635	Akt1, 2 (phospho-Ser473) EIA Antibody	10 mL
80-1632	Assay Buffer 32	100 mL
80-1287	Wash Buffer Concentrate	100 mL
80-1660	Akt1 (phospho-Ser473) Standard	2 vials
80-0350	TMB Substrate	10 mL
80-1631	Cell Lysis Buffer 5	100 mL
80-0377	Stop Solution 2	10 mL

SECTION 3: HAZARDS

The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling this product. Safety procedures should include wearing OSHA approved safety glasses, gloves, and protective clothing. Direct physical contact with all components in this product should be avoided.

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
5-Chloro-2-methyl-isothiazolin-3-one	26172-55-4	<<1.15
2-methyl-4-isothiazolin-3-one	2682-20-4	<<0.35
Copper (II) nitrate	10031-43-4	<<0.35
Magnesium Chloride	7786-30-3	<<1.0
Magnesium Nitrate	10377-60-3	<<1.7
+-Octylphenoxypolyethoxyethanol	9002-93-1	<<1.0
3,3',5,5' – tetramethylbenzidine (TMB)	54827-17-7	N/A
Hydrogen chloride	7647-01-0	<8.5

Section 4: First Aid Measures

<u>Ingestion</u>	If swallowed, wash out mouth with water provided person is conscious. Call a physician or poison control.
<u>Skin Contact</u>	Flush with copious amounts of water and wash with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician if irritation or discomfort develops.
<u>Inhalation</u>	Remove to fresh air. If breathing becomes difficult give oxygen. If breathing stops, administer artificial respiration. Call a physician.
<u>Eye Contact</u>	Flush with copious amounts of water for at least 15 minutes. Check for and remove contact lenses. Assure adequate flushing by separating the eyelids. Call a physician.

If medical attention is required, provide product label and/or MSDS.

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Section 5: Fire Fighting Measures

None of the components of this kit pose a significant risk in case of fire. Fire fighting media should be selected to suit other materials involved in the fire. It is recommended that firefighters wear protective gear and self contained breathing apparatus to limit their exposure.

Section 6: Accidental Release Measures

Ventilate area. Shut off all sources of ignition. Wear appropriate protective gear. Wipe or pick-up materials, place in sealed container, dispose of in accordance with federal, state, and local regulations. Wash spill site thoroughly with soap and water after material pick-up is complete.

Section 7: Handling and Storage

This kit should be stored as recommended on the product label. All components should be kept in tightly closed containers. Refer to the Storage section of the kit insert for further information. This kit should only be handled and used by qualified, trained professionals.

Section 8: Exposure Control / Personal Protection

Refer to Sections 6 and 7.

Section 9: Stability and Reactivity

This product is stable until the expiration date indicated on the label under the specified storage conditions.

There are no known reactivities with these components. Refer to the kit insert for further information.

Section 10: Toxicological Information

None available.

Section 11: Ecological Information

None available.

Section 12: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide. Assay Designs, Inc. shall not be held liable for any damage resulting from handling or contact with the above product. The burden of safe use of these materials rests solely with the user.

Assay Designs, Inc., Emergency Phone Numbers: 800.833.8651 (USA & Canada) or 734.668.6113