

Safety Data Sheet
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### 1. Chemical product and company identification

Product name : **Acid carboxypeptidase assay kit**  
 Product code: 60219  
 Responsible company: Kikkoman Biochemifa Company  
 2-1-1, Nishi-shinbashi, Minato-ku,  
 Tokyo 105-0003, Japan  
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### 2. Hazards identification

Irritant  
 Irritating to eyes, respiratory system and skin.  
 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Wear suitable protective clothing.  
 Contact of the substance resulting from handling may induce sensitization in sensitized individuals.

### 3. Composition/information on ingredients

Product name      Acid carboxypeptidase assay kit  
 Description        Reagent mixture and liquid

Hazards identified with this product are those associated with the following ingredients.

<i>Ingredients</i>	<i>Formula or chemical name</i>	<i>CAS #</i>	<i>Remarks</i>
Cbz-Tyr-Ala	Carboxybenzoxy-L-Tyroxyl-L-Alanine		
NAD	Nicotinamide adenine dinucleotide		
Acetic acid	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	64-19-7	
Tetrazolium salt	2-(2-methoxy-4-nitrophenyl)-3-(4-nitrophenyl)-5-(2,4-disulfophenyl)-2H-tetrazolium monosodiumsalt	193149-74-5	
Tris hydroxyl-methylaminomethane	NH <sub>2</sub> C(CH <sub>2</sub> OH) <sub>3</sub>	77-86-1	
Alanine dehydrogenase			Enzyme protein
Sodium azide		26628-22-8	
1-methoxy PMS	1-methoxy-5-methylphenazinium methosulfate	193149-74-5	
L-Alanine	CH <sub>3</sub> CH(NH <sub>2</sub> )COOH	56-41-7	

### 4. First aid measures

Skin contact	Wash skin with plenty of water. If symptoms occur, see a doctor.
Eye contact	Rinse eyes with plenty of water for at least 15 minutes and see an eye specialist. If symptoms occur, see a doctor.
Ingestion	Rinse mouth and throat thoroughly with water. Drink water. If symptoms occur, see a doctor.
Inhalation	Remove from exposure. If symptoms of irritation or sensitisation occur (shortness of breath, wheezing or laboured coughing), call a doctor.

### 5. Fire-fighting measures

Protection against fire and explosions	No special requirements.
Suitable fire extinguishing media	Water, foam.
Non-suitable media	None.
Special exposure hazards	None.

6. Accidental release measures

Spilled substance should be removed immediately. Take up by mechanical means, preferably by a vacuum equipped with a high efficiency filter. Flush carefully with plenty of water. Avoid splashing and high-pressure washing. Ensure sufficient ventilation. Wash contaminated clothing.

7. Handling and storage

Ensure good ventilation of the room when handling this substance.  
Store at 2-8°C.

8. Exposure controls/personal protection

Recommended personal protective equipment (PPE)  
Respiratory protection                      Respirator with filter.  
Hand protection                                Impermeable gloves.  
Eye protection                                 Protective glasses or eye shield.

9. Physical and chemical properties

Appearance                                      Clear liquid.  
Odour    None.  
Other data                                         None relevant for safety.

10. Stability and reactivity

This substance is stable under normal conditions of use.  
Conditions to avoid                            None.  
Materials to avoid                              None.  
Hazardous decomposition products        None.

11. Toxicological information

No data available.

12. Ecological information

No data available.

13. Disposal considerations

No special disposal method required, except that in accordance with local authority regulations.

14. Transport information

UN number:	Not applicable.	Sea:	Not applicable.
Road/Rail:	Not applicable.	Air:	Not applicable.

15. Regulatory information

Labelling	Xn (harmful).
R-36	Irritating to eyes
S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

16. Other information

The information contained in this Material Safety Data Sheet, as of the issue date, is believed to be true and correct. However, this information is only intended as a guide, and any recommendations or suggestions are made without warranty or guarantee.

Since the conditions of use are beyond the control of our Company, it is the responsibility of the user to determine the conditions of safe use of this substance. The information in this sheet does not represent analytical specifications, for which please refer to our product specification.