ASSAYPRO LLC		Mater	rial Safe	ety D	ata Sheet (N	1SD	S)					
1. Identification of the	^	*			•	-	1)					
Catalog # ERM111 This ELISA Kit is inte	^	oha Macroglobulii			-		• /	archus	e only			
Assaypro LLC		saypto for in viti			hone: 1-636				c only.			
30 Triad South Drive Fax: 636-447-9475												
St. Charles, MO 6330				E	Email: suppo	rt@	assaypro	o.com				
2. Hazards identification												
None of the hazardous However exposure to 1								azardou	is accor	dingto	directive 67/5	48/EC.
Kit Components	Microwell plate, 96	EIA Diluent Concentrate (10x) or MIX Diluent Concentrate (10x)	nt te IIX Standar		Biotiny lated Antibody or	Wash		Streptavidin- Peroxidase Conjugate (SP Conjugate)		Chron Substr	nogen Stop ate Solution	
Hazard to man (if exposed to large amounts)		Х	X	x	ζ	X						
Risk of percutaneous absorption.		х	x	x	ζ.	Х				Х	X	
Hazard to the environment												
Harmful to aquatic organisms, may cause long-term adverse effects In the aquatic environment.		x	x	X	C	х						
3. Composition/inform	nation on ing	predients										4
The kit contains the fo Concentrate (10x)/NA Streptavidin-Peroxidas No single component of ngredients listed as ha	B Diluent C se Conjugate contains a ha	Concentrate (10x), e (SP Conjugate), e azardous ingredier	Standar Chromo nt in an	ırd, W ogen S	Vash Buffer ( Substrate (T unt that requ	Conc MB	xentrate ( Substrat	20x), E te), Sto The co	Biotinyla p Soluti ontents	ated Ai ion. in the c	ntibody or Pro	1
EIA Diluent Concentrate (10x) or MIX Diluent Concentrate (10x) or NAB Diluent Concentrate (10x)				Procl	roclin 300		0.04 %		None	None	Xi;R36/37/38	
Wash Buffer Concentrate (20x)				Sodiu	Godium Azide		0.02 %		26628- 22-8	None	NA, biologic	
Chromogen Substrate (TMB Substrate)				3,3°, 5,5° – tetramethylbenzidine				54827- 17-7	259- 364- 6	Xn;R22 N: R51/53		
Stop Solution				Hydr	Hydrochloric acid		IIO 5 NI II		7647- 01-0	231- 595- 7	C;R35	
Biotinylated Antibod	у			Sodiu	ım Azide		0.02 %		26628- 22-8	None	NA, biologic	
												11

4. First aid measures

Streptavidin-Peroxidase Conjugate (SP Conjugate)

After inhalation:

Immediately remove the causality from exposure and move to fresh air. If the breathing stops, immediately apply mechanical ventilation and apply an oxygen mask if available. Arrange medical treatment.

Peroxidase Stabilizer 100 %

N/A N/A N/A

Ingestion: Mash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact:

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and revonve any contact lenses. Get medical attention.

5. Fire-fighting measures:

Flammability of the product:

Fire Hazard; Flash point 250 C or 482 F

Explosion Hazard: If this material in powder form, it is capable of creating a dust explosion.

Suitable extinguishing media:

Use an extinguishing agent suitable for the surrounding fire.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

6. Accidental release measures:

# Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel for entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

## Environmental precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Small spill

Stop leak if without risk. Move containers for spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

# 7. Handling and storage:

# Handling:

Put on appropriate personal protective equipment. Eating drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Keep in the original containers; expiry date is printed on the kit box label. Take care to keep workplace clean and dry. The substances used should not be present at the place of work in qualities above those required for carrying out the work. Do not leave containers open.

## Storage:

Components of kits require store between the following temperatures: 2 to 8 C or -20 C. Refer components lable for details. Keep containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

#### Specific use:

The product is intended for research use only. Intended for professional use only.

# 8. Exposure controls/personal protection:

Hands:

Chemical-resistance, impervious gloves complying with an approved standard should be worn at all times when handling chemical and biological products if a risk assessment indicates this is necessary.

Eves

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts.

### Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this kit.

9. Physical and chemical properties

Data for kit component solution (not for individual ingredients)

Appearance: Clear to yellow solutions pH: Neutral except for the Stop Solution (Acidic solution) Boiling point: N/A Flash point: N/A Flammability: N/A Explosive properties: N/A Oxidizing properties: N/A Oxidizing properties: N/A Vapor pressure: N/A Relative density: N/A Solubility: Soluble in water Viscosity: N/A Vapor density: N/A Evaporation rate: N/A Additional parameters: N/A 10. Stability and reactivity

Stable.

However note expiry date printed on the kit box label. Store at 2-8 C or -20 refer to components lable and replace the components at this temperature at the end of the working procedure.

Conditions to avoid: Heating above room temperature, freezing.

Materials to avoid: Generally use only clean glass and plastic suitable for laboratory use for handling the kit components. None know materials to be avoided.

Dangerous reactions: In the case of fire see chapter 5. No dangerous reactions known.

Further information: Note that Stop Solution contains 0.5 N Hydrochloric Acid (HCL) and has a corrosive effect.

## 11. Toxicological information:

Because of the small size of the container and the low concentrations of hazardous ingredients, the toxicological risks are minor.

## Toxicological experiments have not been done on the kit components. The following toxicological information is for the hazardous ingredient in pure form for Pierce:

Pierce Peroxidase Conjugate Stabilizer used in SP Conjugate.

Acute toxicity After inhalation: May be harmful after inhalation and irritate the respiratory tract. After swallowing Harmful if swallowed After skin contact: Irritation of the skin, danger of skin absorption. After eye contact: May cause eye irritation Animal toxicological data LD50 (oral, Rat 4700 mg/kg, LD50) Human toxicological data: No data available. 12. Ecological information

No known significant effects or critical hazards.										
Further ecological information Do not allow to enter waters, waste water or soil. Due to the small size of the containers and the low concentrations of hazardous ingredients, risks are minor.										
13. Disposal considerations										
Product: Must be disposed in compliance with the respective national regulations. Packaging: Must be disposed in compliance with the respective national regulations.										
14. Transport information										
Regulatory information:	UN Number	Proper shipping name	Classes	Packaging group						
DOT Classification:	Not regulated									
IATA – DGR Class:	Not available	Not available	Not available	Not available						
15. Regulatory information:										
No single component contains a hazardous ingredient in an amount that requires identification and labeling according to EC directives										
16. Other information										
For research use only. For Professional use only. Read instructions for use before using the product. The customer is responsible for determining the PPE code for this material.										
To the best of our knowledge, the sole responsibility of the user. A hazards are described herein, we a	ll materials may pre	sent unknown hazards and she	ould be used with c							

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