Safety data sheet

ClearBand HRP Secondary Antibodies

Product name ClearBand HRP Secondary Antibodies	Catalog no. HRPM5, HRPR5
Synonyms HRPM5: Goat anti-mouse IgG-HRP; HRPR5: Goat anti-rabbit IgG-HRP	Source SDS revision -
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ClearBand HRP Secondary Antibodies
Product code	HRPM5, HRPR5
CAS number	-
EC number	-
Recommended use	For research use only. Not intended for diagnostic or therapeutic use.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Not dangerous under the preliminary product designation. Verify mixture-level CLP classification: ProClin 300 may trigger sensitization thresholds.
Label elements	No GHS pictogram assigned provisionally; review H317 and/or supplemental EUH208 labelling as applicable.
Symbols / pictograms	None assigned pending verified mixture classification.
Signal word	None assigned pending verified mixture classification.
Hazard statements	Sensitization statement may be required after evaluation of preservative concentration.
Precautionary statements - Prevention	Avoid skin contact; wear protective gloves, laboratory coat and eye protection.
Precautionary statements - Response	Wash skin after contact; seek medical attention if a rash or allergic reaction develops.
Other hazards	Contains ProClin 300 (0.05%), a preservative with isothiazolinone biocides. It may cause allergic skin reactions.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	ClearBand HRP Secondary Antibodies
Synonyms	HRPM5: Goat anti-mouse IgG-HRP; HRPR5: Goat anti-rabbit IgG-HRP
Concentration	Antibody: lot-specific
Formula	-
Molecular weight	-
Mixture statement	HRPM5: HRP-conjugated goat anti-mouse IgG; HRPR5: HRP-conjugated goat anti-rabbit IgG. Both are supplied in PBS containing glycerol 50% (CAS 56-81-5) and ProClin 300 0.05% (isothiazolinone preservative). Antibody concentration is lot-specific.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do. Seek medical attention if irritation persists.
Skin contact	Wash thoroughly with soap and water. Remove contaminated clothing. Seek medical attention if rash or skin sensitization occurs.
Inhalation	Move to fresh air. Seek medical attention if discomfort or respiratory symptoms occur.
Ingestion	Rinse mouth. Do not induce vomiting. Seek medical advice if swallowed or if symptoms occur.
Self-protection of first aider	Avoid direct exposure; wear appropriate laboratory protective equipment.
Most important symptoms / effects	Possible skin sensitization in susceptible individuals due to preservative.
Notes to physicians	Treat symptomatically.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, carbon dioxide (CO2), foam or dry chemical, as appropriate for the surrounding fire.
Unsuitable extinguishing media	No specific restriction known.
Special hazards arising from the substance or mixture	Thermal decomposition may generate irritating or toxic vapors; avoid inhalation of smoke.
Explosion data	Sensitivity to mechanical impact and static discharge: No data available.
Advice for firefighters	Wear protective clothing and self-contained breathing apparatus if required by the fire situation.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes. Wear gloves, laboratory coat and eye protection. Ensure adequate ventilation.
Environmental precautions	Avoid uncontrolled discharge into drains and waterways.
Methods and materials for containment and cleaning up	Absorb liquid using inert material and transfer to a suitable sealed chemical-waste container; clean affected surface.
Reference to other sections	For disposal guidance, see Section 13.

07 HANDLING AND STORAGE

Precautions for safe handling	For laboratory research only. Prevent direct skin/eye contact with ProClin-containing antibody solutions. Avoid aerosol formation.
Conditions for safe storage	Keep the antibody solution undiluted at -20°C. Protect from prolonged exposure to light. Keep container tightly closed.
Container labeling	Maintain identification of HRPM5 or HRPR5 and the preservative composition on each container.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limit established for the formulated antibody mixture; follow laboratory chemical handling standards.

8.2 Exposure controls

Engineering measures	Ensure adequate ventilation and use standard laboratory containment practices.
Hygiene measures	Do not eat, drink or smoke when handling. Wash hands after use.
Eye / face protection	Wear protective safety glasses; use splash protection as needed.
Hand protection	Wear suitable chemical-resistant protective gloves.
Skin and body protection	Wear a laboratory coat and closed-toe footwear.
Respiratory protection	Normally not needed for routine low-volume handling; use appropriate protection if aerosols could form.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid (PBS/glycerol formulation)
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	Aqueous PBS/glycerol solution
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	No unusual reactivity expected in normal laboratory handling.
Chemical stability	Store at -20°C and protect from prolonged light exposure.
Possibility of hazardous reactions	No hazardous polymerization expected under ordinary use; preservative may decompose at high temperature.
Conditions to avoid	Prolonged light exposure, high temperature, inappropriate storage conditions.
Incompatible materials	Strong oxidizing agents; other incompatibilities not fully assessed.
Hazardous decomposition products	Irritating decomposition vapors may form under fire conditions.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No mixture-specific test data available.
Skin corrosion / irritation	No mixture-specific irritation study available; preservative can provoke skin reactions.
Serious eye damage / eye irritation	No mixture-specific test data available.
Carcinogenicity	No mixture-specific data available.
Reproductive toxicity	No mixture-specific data available.
STOT - SE	No mixture-specific data available.
STOT - RE	No mixture-specific data available.
Aspiration hazard	No mixture-specific data available.

11.2 Potential health effects

Ingestion: May cause gastrointestinal discomfort if swallowed; obtain medical advice.

Inhalation: Aerosols may cause respiratory irritation.

Skin: ProClin-containing solution may cause an allergic skin reaction.

Eyes: May cause temporary eye irritation.

11.3 Additional information

ProClin 300: 0.05% by formulation. Confirm sensitization labelling after determining the active isothiazolinone concentration.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No mixture-specific data available. ProClin 300 biocidal preservative may be harmful to aquatic organisms in concentrated form.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No PBT/vPvB assessment available for the complete mixture.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Collect as laboratory chemical waste. Prevent uncontrolled release into wastewater and dispose of in accordance with applicable regulations.
Contaminated packaging	Dispose of contaminated packaging in accordance with local requirements. Do not reuse.

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
DOT (US)	N/A	Not regulated	N/A	N/A	N/A
IMDG	N/A	Not regulated	N/A	N/A	N/A
IATA	N/A	Not regulated	N/A	N/A	N/A

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Mixture-specific REACH/CLP regulatory status has not been independently assessed; confirm against current applicable requirements.
Environmental hazards	No product-specific environmental classification assessment available.
Chemical safety assessment	No chemical safety assessment has been provided for the mixture.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and Toxic
ADR	European Agreement concerning the international carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Transport of Dangerous Goods by Rail
Classification review	Preliminary: not dangerous; DOT/IMDG/IATA not regulated. ProClin 300 (0.05%) requires evaluation of H317/EUH208 thresholds before release.