



Materials Safety Data Sheet (MSDS)

Product Name: $G\alpha_s$ Pull-Down Activation Assay Kit

Catalog Number: 80801

Relevant Identified Uses: For research and laboratory use only. Not for diagnostic, therapeutic, drug, household or other uses

Ingredients Information: This product contains Mouse and Goat antibodies, organic and inorganic buffered solutions.

Company Identifiers

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Composition:

Components	Description	Chemicals
Anti- $G\alpha_s$ -GTP Mouse Monoclonal Antibody	0.03 ml	Mouse Antibody in PBS, pH 7.4, containing 50% glycerol
Protein A/G Agarose	0.6 ml	5% Ethanol; Recombinant streptococcal protein G lacking the albumin-binding region, produced in E. coli
5X Assay/Lysis Buffer	30 ml	250 mM Tris-HCl, 750 mM NaCl, 50 mM MgCl ₂ , 5 mM EDTA, 5% Triton X-100
Anti- $G\alpha_s$ Rabbit Polyclonal Antibody	0.1 ml	Mouse Antibody in PBS, pH 7.4, containing 50% glycerol
100X GTP γ S	0.05 ml	10 mM of GTP γ S
100X GDP	0.05 ml	10 mM of GDP
HRP-Goat Anti-Rabbit IgG	0.05 ml	Goat Antibody in PBS, pH 7.4, containing 50% glycerol

Potential Acute Health Effects

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Eyes: Eye contact may cause transient eye irritation.

Skin: Causes skin irritation. May be fatal if absorbed through the skin.

Inhalation: Highly toxic if swallowed (R28): Causes irritation of mouth, pharynx, gullet and gastrointestinal tract. Mucosal irritation, cough, dyspnea, pulmonary edema after lag time.

Ingestion: Ingestion may cause allergic reaction characterized by a rash. (BSA)

Sensitizing effects: Not known.

Industrial handling.: Low hazard.

First Aid Measures

General advice: Consult a doctor and show this safety data sheet.

Eye contact: Flush eyes with plenty of water for at least 10 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.

Skin contact: Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Get medical attention if discomfort persists.

If inhaled: Remove to fresh air and monitor breathing.

If ingested: Rinse mouth thoroughly with water. Do not induce vomiting unless directed to do so by medical personnel.

Notes to physician: No specific antidote. Medical staff must contact Poison Control Center. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Toxicological Information

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Ingestion: There may be irritation of the throat.

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Safe Handling Information

Storage and Transport: Keep in a tightly closed container. Stored in refrigerator.

Spills and Disposal: With clean shovel, carefully place material into clean, dry container and cover. Remove from area. Flush spill area with water. Dispose in accordance with all applicable federal, state and local environmental regulations. Wear self-contained breathing apparatus and full protective clothing.

Fire/Explosion Hazard: Use extinguishing media appropriate for surrounding fire. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode.

Note: decomposes at melting point. Toxic gases produced: nitrogen oxides, carbon monoxide, carbon dioxide.