

MSDS for Monoclonal Antibody Reagents

Material Safety Data Sheet

BRAD-3 and AEVZ 5.3 FITC conjugates and BIRMA 17C Phycoerythrin conjugate

1. Identification of the substance/preparation and company

BRAD-3 and AEVZ 5.3 monoclonal antibody FITC conjugates and BIRMA 17C monoclonal antibody Phycoerythrin (PE) conjugate are used for estimation of foeto-maternal haemorrhage (FMH) by flow cytometry.

Prepared at: International Blood Group Reference Laboratory
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Tested at: NHSBT Reagents Liverpool
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2. Composition/information on ingredients

EBV transformed cells producing BRAD-3 purified anti-D human IgG3 monoclonal antibody FITC conjugated.

Antibody engineered NSO cells producing AEVZ 5.3 purified human IgG3 negative control monoclonal antibody FITC conjugated.

Hybridoma cells producing BIRMA 17C purified anti-CD66b (granulocytes) mouse IgG1 monoclonal antibody PE conjugated.

All reagents are supplied in phosphate buffered saline pH7.2 (PBS) containing 0.099% sodium azide and 1% bovine serum albumin (BSA).

3. Hazards identification

The hazards associated with this product are those associated with sodium azide which is present at 0.099%. Appropriate care should be taken in the use and disposal of this product.

4. First aid measures

Eye contamination: Immediate and prolonged irrigation with copious amounts of water. Seek medical advice.

Skin contamination: Wash thoroughly with copious amounts of water. If skin is broken seek medical advice.

Ingestion: Wash mouth with copious amounts of water and seek medical advice

Inhalation: N/A

5. Fire fighting measures

Non combustible. If involved in fire use extinguishing media appropriate to the surrounding conditions.

6. Accidental release measures

Wear laboratory coats and disposable nitril gloves. Control spillage in accordance with HSE regulations. Absorb on sand or vermiculite and place in closed containers for disposal. Wash spill site after material pick up is complete. Spray spillage with appropriate detergent and absorb.

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- 7. Handling and storage**
When handling product wear laboratory coats and disposable nitril gloves. Store the reagent at +2°C to +8°C. Protect from contamination. Protect from the light.
- 8. Exposure controls/personal protection**
When handling product wear laboratory coats and disposable nitril gloves.
- 9. Physical and chemical properties**
A tinted green liquid for FITC conjugates and a tinted pink liquid for PE conjugates stored in an amber bottle.
- 10. Stability and reactivity**
Do not freeze. Protect from extremes of temperature. Protect from the light.
- 11. Toxicological information**
Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.
- 12. Ecological Information**
Observe all state and local environmental regulations.
- 13. Disposal Considerations**
Dispose of in accordance with Hazardous Waste Regulations 2005 and any additional local regulations. Waste disposal method is to dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
- 14. Transport Information**
Suitable for transportation by road and rail.
Packaging complies with regulations in CHIP (The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009).
- 15. Regulatory information**
For use *in-vitro* diagnostic tests by appropriately trained laboratory personnel.
COSHH
Health and Safety at Work Act 1974
Registration, Evaluation, Authorisation and Restriction of Chemicals Regulations 2009
Environmental Protection Act 1990
Hazardous Waste Regulations 2005
EEC/91/155
- 16. Other information**
The information in this safety data sheet does not replace the users own assessment of work place risk as required by other health and safety legislation. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide.