

Safety Data Sheet

ALEXA FLUOR® 488-CONJUGATED MONOCLONAL ANTIBODY EFFECTIVE DATE: 2015-07-28

1 Product and Company Identification

1.1 Product Name/Catalog Number:

Product Name	Catalog Number
Anti-Mouse CD45R Antibody, Clone RA3-6B2, Alexa Fluor® 488	60019AD.1
Mouse IgG1, kappa Isotype Control Antibody, Clone MOPC-21, Alexa Fluor® 488	60070AD, 60070AD.1
Mouse IgG2a, kappa Isotype Control Antibody, Clone MOPC-173, Alexa Fluor® 488	60071AD
Mouse IgG2b, kappa Isotype Control Antibody, Clone MPC-11, Alexa Fluor® 488	60072AD
Mouse IgG3, kappa Isotype Control Antibody, Clone MG3-35, Alexa Fluor® 488	60073AD, 60073AD.1
Rat IgM, kappa Isotype Control Antibody, Clone RTK2118, Alexa Fluor® 488	60074AD
Rat IgG1, kappa Isotype Control Antibody, Clone RTK2071, Alexa Fluor® 488	60075AD
Rat IgG2a, kappa Isotype Control Antibody, Clone RTK2758, Alexa Fluor® 488	60076AD
Rat IgG2b, kappa Isotype Control Antibody, Clone RTK4530, Alexa Fluor® 488	60077AD
Anti-Mouse CD62L (L-Selectin) Antibody, Clone MEL-14, Alexa Fluor® 488	60109AD, 60109AD.1
Anti-Human CD40 Antibody, Clone 5C3, Alexa Fluor® 488	60113AD

1.2 Product Use: Flow Cytometry

1.3 Manufacturer/Supplier: STEMCELL Technologies
 Suite 500-1618 Station Street
 Vancouver, British Columbia V6A 1B6 Canada

1.4 In Case of Emergency Call: 1-800-667-0322

2 Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

2.2 Label elements

Not a hazardous substance or mixture.

2.3 Other hazards No data available

3 Composition / Information on Ingredients

3.1 Mixtures

No components need to be disclosed according to the applicable regulations.

4 First Aid Measures

4.1 Description of first aid measures

4.1.1 If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.1.2 In case of skin contact

Wash off with soap and plenty of water.

Safety Data Sheet

ALEXA FLUOR® 488-CONJUGATED MONOCLONAL ANTIBODY **EFFECTIVE DATE: 2015-07-28**

4.1.3 In case of eye contact

Flush eyes with water as a precaution.

4.1.4 If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.2 and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 Fire Fighting Measures

5.1 Extinguishing Media

5.1.1 Suitable Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

5.1.2 Unsuitable Extinguishing Media

No data available

5.2 Special hazards arising from the substance or mixture

5.2.1 Flammable Properties and Hazards

No data available

5.2.2 Flash Pt

No data available

5.2.3 Autoignition Pt

No data available

5.2.4 Explosive Limits

LEL: No data available

UEL: No data available

5.2.5 Hazardous Combustion Products

No data available

5.3 Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.

For personal protection see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Safety Data Sheet

ALEXA FLUOR® 488-CONJUGATED MONOCLONAL ANTIBODY **EFFECTIVE DATE: 2015-07-28**

Keep in suitable, closed containers for disposal.

7 Handling and Storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

8 Exposure Controls/Personal Protection

8.1 Exposure limits

Contains no substances with occupational exposure limit values.

8.2 Engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

8.3 Personal protective equipment

8.3.1 Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

8.3.2 Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8.3.3 Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.3.4 General hygiene considerations

General industrial hygiene practice.

8.3.5 Environmental exposure controls

No data available

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Clear with a green hue
Odour	No data available
Odour threshold	No data available
pH	No data available

Safety Data Sheet

ALEXA FLUOR® 488-CONJUGATED MONOCLONAL ANTIBODY EFFECTIVE DATE: 2015-07-28

Melting point/freezing point	No data available
Boiling point/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
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

10 Stability and Reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	No data available
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	No data available

11 Toxicological Information

11.1 Acute toxicity	
Oral:	No data available
Inhalation:	No data available
Dermal:	No data available
Other:	No data available
11.2 Skin corrosion/irritation	No data available
11.3 Serious eye damage/eye irritation	No data available
11.4 Respiratory and/or skin sensitization	No data available
11.5 Germ cell mutagenicity	No data available
11.6 Carcinogenicity	
IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Safety Data Sheet

ALEXA FLUOR® 488-CONJUGATED MONOCLONAL ANTIBODY **EFFECTIVE DATE: 2015-07-28**

- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

11.7 Reproductive toxicity

No data available

11.8 Specific target organ toxicity - single exposure

No data available

11.9 Specific target organ toxicity - repeated exposure

No data available

11.10 Aspiration hazard

No data available

11.11 Potential health effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

11.12 Signs and symptoms of exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

11.13 RTECS

No data available

12 Ecological Information

12.1 Toxicity No data available

12.2 Persistence and degradability No data available

12.3 Bioaccumulative potential No data available

12.4 Mobility in soil No data available

12.5 Other adverse effects No data available

13 Disposal Considerations

13.1 Waste disposal method

Offer surplus and non-recyclable solutions to a licensed disposal company.

13.2 Contaminated packaging

Dispose of as unused product.

14 Transport Information

14.1 UN number No data available

14.2 UN proper shipping name DOT Not dangerous goods

Safety Data Sheet

ALEXA FLUOR® 488-CONJUGATED MONOCLONAL ANTIBODY **EFFECTIVE DATE: 2015-07-28**

	ADR/RID	Not dangerous goods
	IMDG	Not dangerous goods
	IATA	Not dangerous goods
14.3 Transport hazard class(es)		No data available
14.4 Packing group		No data available
14.5 Environmental hazards		No data available
14.6 Special precautions		No data available

15 Regulatory Information

15.1 USA

No data available

15.2 EU

This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and European Directive 67/548/EEC as amended.

15.3 Canada

Not WHMIS controlled

This SDS was prepared in accordance with Hazardous Products Regulations (HPR) and WHMIS 2015.

16 Other Information

16.1 Prepared by: Quality Control, STEMCELL Technologies Inc.

16.2 Revision: 2.0

16.3 Notice: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product. The information contained in this Safety Data Sheet (SDS) is current as of the Effective Date shown in this document and may be subject to amendment by STEMCELL Technologies Inc.

16.4 Disclaimer: **THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.**