## **Product Datasheet**

### S100A9 Antibody (S100A9/1075) [CoraFluor™ 1] NBP3-11559CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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#### NBP3-11559CL1

S100A9 Antibody (S100A9/1075) [CoraFluor™ 1]

Product Information         Unit Size         0.1 ml           Concentration         Please see the vial label for concentration. If unlisted please contact technical services.           Storage         Store at 4C in the dark. Do not freeze.           Clonality         Monoclonal           Clonality         Monoclonal           Clone         \$100A9/1075           Preservative         No Preservative           Isotype         IgG1 Kappa           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 430 nm, and emits at approximately 430 nm, 365 nm and 520 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 absorbs UV light at approximately 430 orm, 365 nm and 520 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 absorbs at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 absorbs at the emission wavelengths of CoraFluor(TM) 1 form (TM) 1 is a high performance tribum-based TR-FRET form (TM) 1 absorbs at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 absorbs at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 absorbs at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 absorbs at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 coraFluor(TM) 1 coraFluor(TM) 1 absorbs at the emission wavelengths of CoraFluor(TM) 1		
Concentration         Please see the vial label for concentration. If unlisted please contact technical services.           Storage         Store at 4C in the dark. Do not freeze.           Clonality         Moncolonal           Clone         \$100A9/1075           Preservative         No Preservative           Isotype         IgG1 Kappa           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(M) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, starb service with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 coraFluor(TM) 1 absorbs UV light at approximately 340 onm, and exceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1 coraFluor(TM) 1 absorbs UV light at approximately complex, protein-protein interaction and protein quantification assays.           Host         Mouse           Gene ID         E280           Gene Symbol         S100A9           Species         Human, Rat           Marker         Macrophage Marker           Specificity/Sensitivity         This monoclonal antibody stains the cytoplasm of macrophages and histicoytes in hermatopolita corpans, Kupffers cells of the liver and Langerhams cells of the development of in	Product Information	
services.         Storage       Store at 4C in the dark. Do not freeze.         Clonality       Monoclonal         Clone       \$100A9/1075         Preservative       No Preservative         Isotype       IgG1 Kappa         Conjugate       CoraFluor 1         Purity       Protein A or G purified         Buffer       PBS         Product Description       CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Suprescher State)         Buffer       Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence Avelopment to coraFluor(TM) 1 can be used for the development to frought assay development. CoraFluor(TM) 1 can be used for the development or boust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.         Host       Mouse         Gene ID       6280         Gene Symbol       S100A9         Specificity/Sensitivity       Marker         Specificity/Sensitivity       This monoclonal antibody stains the cytoplasm of macrophages and histiccytes in hematopolietic organs, Kupffers cells	Unit Size	0.1 ml
Clonality         Monoclonal           Clone         \$100A9/1075           Preservative         No Preservative           Isotype         IgG1 Kappa           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TMI) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and eritis at approximately 490 nm, a545 nm, 356 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TMI) 1. coraFluor(IM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Mouse           Gene ID         6280           Gene Bymbol         S100A9           Species         Human, Rat           Marker         Macrophage Marker           Specificity/Sensitivity         This monoclonal antibody stains the cytoplasm of macrophages and histiocytes in hematopoietic organs, Kupffers cells of the liver and Langerhans cells of the sixin. It also stains the mante zone in thronic inflammation. It is detected in peripheral blood leukocytes, in neutrophis and granulocytes, It is present at sites of vascular inflamations. S100A9 is a 2acicum-binding protein. It has antimicrobial acivi	Concentration	•
Clone         S100A9/1075           Preservative         No Preservative           Isotype         IgG1 Kappa           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 586 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalabite TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Mouse           Gene ID         6280           Gene Symbol         S100A9           Species         Human, Rat           Marker         Macrophage Marker           Specificity/Sensitivity         This monoclonal antibody stains the cytoplasm of macrophages and histiocytes, it is present at size viscuin information. S100A9 is accepted and protein, spermatogonia, and chief cells of the stomach. S100A9 is expressed by macrophages in actively inflammation. S10A9 is a Calcium-binding cells or the stomach. S100A9 is accepted by the skin. It also stains the mantle zone B-lymphocytes of the lymph node and spleen, spermatogonia, and chief cells of the stomach. S100A9 is expressed by m	Storage	Store at 4C in the dark. Do not freeze.
Preservative         No Preservative           Isotype         IgG1 Kappa           Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorbs at targe requestingts of CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Mouse           Gene ID         6280           Gene Symbol         S100A9           Species         Human, Rat           Marker         Macrophage Marker           Specificity/Sensitivity         This monoclonal antibody stains the cytoplasm of macrophages and histiocytes in hematopoietic organs, Kupffers cells of the liver and Langerhans cells of the skin. It also stains the mantle zone B-lymphocytes of the lymph node and spleen, spermatogonia, and chief cells of the stomach, S100A9 is acpressed by macrophages in acutely inflammation. S100A9 is as captressed by macrophages in acutely inflammation. S100A9 is as calcium-binding protein. It has antimicrobial activity fowards bacteria and fungi. It is important for resistance to invasion by pathogenic bacteria. It up-regulates transcription of genes that	Clonality	Monoclonal
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Conjugate         CoraFluor 1           Purity         Protein A or G purified           Buffer         PBS           Product Description         CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET Dinding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.           Host         Mouse           Gene ID         6280           Gene Symbol         S100A9           Specificity/Sensitivity         This monoclonal antibody stains the cytoplasm of macrophages and histicoytes in hematopoietic organs, Kupffers cells of the liver and Langerhans cells of the skin. It also stains the mantle zone B-lymphocytes of the lymph node and spleen, spermatogonia, and chief cells of the stomach. S100A9 is expressed by macrophages in acturity towards bacteria and fungi. It is important for resistance to invasion by pathogenic bacteria. In epirotanis and insport activation states of vascular inflammation. S100A9 is a Calcium-binding protein. It has antimicrobial activity towards bacteria and fungi. It is important for resistance to invasion by pathogenic bacteria. In up-regulates transcription of genes that are under the control of NF-kappa-B. S100A9 is a Calcium-binding protein. It has antimicrobial activity towards bacteria allopolysaccharide (LPS). It promotes tubulin p	Preservative	No Preservative
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Immunogen Recombinant human S100A9 protein (Uniprot: P06702)	Specificity/Sensitivity	in hematopoietic organs, Kupffers cells of the liver and Langerhans cells of the skin. It also stains the mantle zone B-lymphocytes of the lymph node and spleen, spermatogonia, and chief cells of the stomach. S100A9 is expressed by macrophages in acutely inflamed tissues and in chronic inflammation. It is detected in peripheral blood leukocytes, in neutrophils and granulocytes. It is present at sites of vascular inflammation. S100A9 is also expressed in epithelial cells constitutively or induced during dermatoses. S100A9 is a Calcium-binding protein. It has antimicrobial activity towards bacteria and fungi. It is important for resistance to invasion by pathogenic bacteria. It up-regulates transcription of genes that are under the control of NF-kappa-B. S100A9 plays a role in the development of endotoxic shock in response to bacterial lipopolysaccharide (LPS). It promotes tubulin polymerization when unphosphorylated. It also promotes phagocyte migration and infiltration of granulocytes at sites of wounding. It plays a role as a pro-inflammatory mediator in acute and chronic inflammation and up-regulates the release of IL8 and cell-surface expression of ICAM1.
	Immunogen	Recombinant human S100A9 protein (Uniprot: P06702)

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Notes	CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence
Application Notes	Optimal dilution of this antibody should be experimentally determined.





#### Novus Biologicals USA

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#### **General Contact Information**

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#### Products Related to NBP3-11559CL1

NBP1-44500	Recombinant Human S100A9 His Protein
210-TA-005	TNF-alpha [Unconjugated]
DY5578	S100A9 [Biotin]
M6000B-1	IL-6 [HRP]

#### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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