## **Product Datasheet**

### CXCR4 Antibody [Janelia Fluor® 669] NBP1-76480JF669

Unit Size: 0.1 ml

Store at 4C in the dark.

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#### NBP1-76480JF669

CXCR4 Antibody [Janelia Fluor® 669]

Unit Size0.1 mlConcentrationPlease see the vial label for concentration. If unlisted please contact technical services.StorageStore at 4C in the dark.CionalityPolyclonalPreservative0.05% Sodium AzideIsotypeIgGConjugateJanelia Fluor 669PurityProtein A purifiedBufferSomM Sodium BorateProduct DescriptionRabbitHostRabbitGene D7852Gene SymbolCXCR4SpeciesHuman, Mouse, RatReactivity NotesImmunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%), Sheep (86%).Specificity/SensitivityGis2aa, 39.7kD), isoform c (423aa, 47.6kD) and isoform 2 (356aa, 40.2kD), risoform 2 (357aa, 40.2kD), nisoform 2 (357aa, 40.2kD), Rat CXCR4 has nou' soforms, including isoform 1 (336aa, 43.4kD). This antibody detects human isoform is (356aa, 40.2kD) and isoform 2 (357aa, 40.2kD), Rat CXCR4 has nou' soforms. Including isoform 1 (336aa, 43.4kD). This antibody detects human isoform body and isoform 2 (357aa, 40.2kD), Rat CXCR4 has nou' soforms. Including isoform 1 (349aa, 33ImmunogenAntibody was raised against a peptide corresponding to 15 amino acids near the center of human CXCR4 isoform b. The immunogen is located within arnino acids 170-220 of CXCR4. Amino Acid Squence: DRYICDRFYPNDLWVNotesSold under license from the Howard Hughes Medical Institute, Janelia ResearchProduct Application DetailsWestern Blot, ELISA, Immunohistochemistry-Paraffin, Knockdown ValidatedApplication NotesOptimal dilution of this antibody should be experimentally determined. </th <th>Product Information</th> <th></th>	Product Information	
Storage Store at 4C in the dark.   Clonality Polyclonal   Preservative 0.05% Sodium Azide   Isotype IgG   Conjugate Janelia Fluor 669   Purity Protein A purified   Buffer 50mM Sodium Borate   Product Description Rabbit   Gene ID 7852   Gene Bymbol CXCR4   Species Human, Mouse, Rat   Reactivity Notes Immunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%). Sheep (86%).   Specificity/Sensitivity Human CXCR4 has four isoforms, including isoform a (356aa, 40.2kD), isoform b (352aa, 39.7kD), isoform C (423aa, 47.6kD), and isoform 3 (356aa, 40.4kD) explays antibody detects human isoform b only, but not other human isoforms 2 (357aa, 40.2kD). Shat CXCR4 has only one isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform 1 (349aa, 39.4kD).   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details <	Unit Size	0.1 ml
ChoalityPolyclonalPreservative0.05% Sodium AzideIsotypeIgGConjugateJanelia Fluor 669PurityProtein A purifiedBuffer50mM Sodium BorateProduct DescriptionHostRabbitGene ID7852Gene SymbolCXCR4SpeciesHuman, Mouse, RatReactivity NotesImmunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%), Sheep (86%), Sheep (86%).Specificity/SensitivityHuman CXCR4 has four isoforms including isoform a (356aa, 40.2kD), isoform b (352aa, 39.7kD), isoform c (423aa, 47.6kD), and isoform 2 (357aa, 40.2kD). Nouse CXCR4 has two isoforms, including isoform 1 (359aa, 43.4kD). This antibody was raised against a peptide corresponding to 15 amino acids near the center of human CXCR4 isoform b. The immunogen is located within amino acids 170-220 of CXCR4. Amino Acid Squence: DRYICDRFYPNDLWVNotesSold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsWestern Blot, ELISA, Immunohistochemistry/Immunofluorescence, Immunohistochemistry/Immunofluorescence, Immunohistochemistry/Immunofluorescence, Immunohistochemistry/Immunofluorescence, Immunohistochemistry.Recommended DilutionsWestern Blot, ELISA, Immunohistochemistry/Immunofluorescence, Immunofluorescence, Immunohistochemistry.	Concentration	•
Preservative   0.05% Sodium Azide     Isotype   IgG     Conjugate   Janelia Fluor 669     Purity   Protein A purified     Buffer   50mM Sodium Borate     Product Description   Rabbit     Gene ID   7852     Gene Symbol   CXCR4     Species   Human, Mouse, Rat     Reactivity Notes   Immunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%), Sheep (86%).     Specificity/Sensitivity   Human CXCR4 has four isoforms, including isoform a (356aa, 40.2kD), isoform b (352aa, 39.7kD), isoform c (423aa, 47.6kD), and isoform (385aa, 43.4kD). This antibody detects human isoform b only, but not other human isoforms. Mouse CXCR4 has two isoforms, including isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform identified so far (349aa, 39.4kD).     Immunogen   Antibody was raised against a peptide corresponding to 15 amino acids near the center of human CXCR4 isoform b. The immunogen is located within amino acids 170-220 of CXCR4. Amino Acid Squence: DRYICDRFYPNDLWV     Notes   Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.     Product Application Details   Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown Validated     Recommended Dilutions   Western Blot, ELISA, Immunohistochemi	Storage	Store at 4C in the dark.
IsotypeIgGConjugateJanelia Fluor 669PurityProtein A purifiedBuffer50mM Sodium BorateProduct DescriptionRabbitHostRabbitGene ID7852Gene SymbolCXCR4SpeciesHuman, Mouse, RatReactivity NotesImmunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%), Sheep (86%).Specificity/SensitivityHuman CXCR4 has four isoforms, including isoform a (356aa, 40.2kD), isoform b (352aa, 39.7kD), isoform c (423aa, 47.6kD), and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only, but not other human isoforms Mouse CXCR4 has two isoforms, including isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform identified so far (349aa, 39.4kD).ImmunogenAntibody was raised against a peptide corresponding to 15 amino acids near the center of human CXCR4 isoform b. The immunogen is located within amino acids 170-220 CXCR4. Amino Acid Squence: DRYICDRFYPNDLWVNotesSold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsWestern Blot, ELISA, Immunohistochemistry/Immunofluorescence, Immunohistochemistry/Paraffin, Knockdown ValidatedRecommended DilutionsWestern Blot, ELISA, Immunohistochemistry.Paraffin, Knockdown Validated	Clonality	Polyclonal
ConjugateJanelia Fluor 669PurityProtein A purifiedBuffer50mM Sodium BorateProduct DescriptionHostRabbitGene ID7852Gene SymbolCXCR4SpeciesHuman, Mouse, RatReactivity NotesImmunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%), Sheep (86%).Specificity/Sensitivitydisplay and the stour isoforms, including isoform a (356aa, 40.2kD), isoform b (352aa, 37.KD), isoform c (423aa, 47.6kD), and isoform d (385aa, 43.4kD). This antibody detects human isoforms only, but not other human isoforms. Mouse CXCR4 has two isoforms including isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform identified so far (349aa, 39.4kD).ImmunogenAntibody was raised against a peptide corresponding to 15 amino acids near the center of human CXCR4 isoform b. The immunogen is located within amino acids 170-220 of CXCR4. Amino Acid Squence: DRYICDRFYPNDLWVNotesSold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsWestern Blot, ELISA, Immunohistochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown ValidatedRecommended DilutionsWestern Blot, ELISA, Immunohistochemistry-Paraffin, Knockdown Validated	Preservative	0.05% Sodium Azide
PurityProtein A purifiedBuffer50mM Sodium BorateProduct DescriptionHostRabbitGene ID7852Gene SymbolCXCR4SpeciesHuman, Mouse, RatReactivity NotesImmunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%), Sheep (86%).Specificity/SensitivityHuman CXCR4 has four isoforms, including isoform a (356aa, 40.2kD), isoform b (352aa, 39.7kD), isoform to 4(385aa, 43.4kD). This antibody detects human isoforms b only, but not other human isoforms. Mouse CXCR4 has due isoform, including isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform identified so far (349aa, 39.4kD).ImmunogenAntibody was raised against a peptide corresponding to 15 amino acids near the center of human CXCR4 isoform b. The immunogen is located within amino acids 170-220 of CXCR4. Amino Acid Squence: DRYICDRFYPNDLWVNotesSold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsWestern Blot, ELISA, Immunohistochemistry/ Immunofluorescence, Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown ValidatedRecommended DilutionsWestern Blot, ELISA, Immunohistochemistry-Paraffin, Knockdown Validated	Isotype	IgG
Buffer 50mM Sodium Borate   Product Description Rabbit   Host Rabbit   Gene ID 7852   Gene Symbol CXCR4   Species Human, Mouse, Rat   Reactivity Notes Immunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%), Sheep (86%).   Specificity/Sensitivity Human CXCR4 has four isoforms, including isoform a (356aa, 40.2kD), isoform b (352aa, 39.7kD), isoform to (423aa, 47.6kD), and isoform d (385aa, 43.4kD). This antibody detects human isoform b only, but not other human isoforms. Mouse CXCR4 has two isoforms, including isoform 1 (359aa, 40.4kD) and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform identified so far (349aa, 39.4kD).   Immunogen Antibody was raised against a peptide corresponding to 15 amino acids near the center of human CXCR4 isoform b. The immunogen is located within amino acids 170-220 of CXCR4. Amino Acid Squence: DRYICDRFYPNDLWV   Notes Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.   Product Application Details Western Blot, ELISA, Immunohistochemistry/Immunofluorescence, Immunohistochemistry. Immunocytochemistry/Immunofluorescence, Immunohistochemistry. Paraffin, Knockdown Validated   Recommended Dilutions Western Blot, ELISA, Immunohistochemistry. Paraffin, Knockdown Validated	Conjugate	Janelia Fluor 669
Product Description     Host   Rabbit     Gene ID   7852     Gene Symbol   CXCR4     Species   Human, Mouse, Rat     Reactivity Notes   Immunogen displays the following percentage of sequence identity for non-tested species: Bovine (86%), Sheep (86%).     Specificity/Sensitivity   Human CXCR4 has four isoforms, including isoform a (356aa, 40.2kD), isoform b (352aa, 39.7kD), isoform c (423aa, 47.6kD), and isoforms. Mouse CXCR4 has two isoforms, including isoform 1 (359aa, 40.4kD), and isoform 2 (357aa, 40.2kD). Rat CXCR4 has only one isoform identified so far (349aa, 39.4kD).     Immunogen   Antibody was raised against a peptide corresponding to 15 amino acids near the center of human CXCR4 isoform b. The immunogen is located within amino acids 170-220 of CXCR4. Amino Acid Squence: DRYICDRFYPNDLWV     Notes   Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.     Product Application Details   Western Blot, ELISA, Immunohistochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated     Recommended Dilutions   Western Blot, ELISA, Immunohistochemistry-Paraffin, Knockdown Validated	Purity	Protein A purified
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Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.Product Application DetailsApplicationsWestern Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown ValidatedRecommended DilutionsWestern Blot, ELISA, Immunohistochemistry, Immunocytochemistry, Immunocytochemistry/ Immunocytochemistry/ Immunohistochemistry, Immunohistochemistry, Immunocytochemistry/ Validated	Immunogen	center of human CXCR4 isoform b. The immunogen is located within amino
ApplicationsWestern Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown ValidatedRecommended DilutionsWestern Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown Validated	Notes	
Recommended DilutionsImmunohistochemistry, Immunohistochemistry-Paraffin, Knockdown ValidatedRecommended DilutionsWestern Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown Validated	Product Application Details	
Immunofluorescence, Immunohistochemistry-Paraffin, Knockdown Validated	Applications	
Application NotesOptimal dilution of this antibody should be experimentally determined.	Recommended Dilutions	
	Application Notes	Optimal dilution of this antibody should be experimentally determined.





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#### Products Related to NBP1-76480JF669

NB100-56437PEP	CXCR4 Antibody Blocking Peptide
210-TA-005	TNF-alpha [Unconjugated]
NB100-74396PEP	CXCR4 Antibody Blocking Peptide
DVE00	VEGF [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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